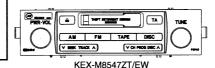
Pioneer sound.vision.soul

Service Manual TOYOTA



ORDER NO. CRT3321

RECEIVER ASSY, RADIO

KEX-M8547zT-91/EW KEX-M8647zT-91/EW KEX-M8647zT/EW

KEX-M8647zT-91/EW

VEHICLE	DESTINATION	PRODUCED AFTER	OEM PARTS No.	ID No.	PIONEER MODEL No.
LAND CRUISER PRADO	EUROPE	August 2004	86120-60461	P3745	KEX-M8547ZT/EW
LAND CRUISER PRADO	EUROPE	August 2004	86120-60461	P3745	KEX-M8547ZT-91/EW
LAND CRUISER PRADO	EUROPE	August 2004	86120-60451	P3746	KEX-M8647ZT/EW
LAND CRUISER PRADO	EUROPE	August 2004	86120-60451	P3746	KEX-M8647ZT-91/EW



PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A. PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936 © PIONEER CORPORATION 2004

This service manual should be used together with the following manual(s):

Model No.	Order No.	Mech.Module	Remarks
CX-1011	CRT2406	3L	Cassette Mech. Module : Mech. Description, Disassembly

3

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

This service manual does not describe the CD test mode.

For the operations in the CD test mode, refer to the CD player's service manual.

2

Supplementary model is identical to the original except for the addition of following items.

	* : Non spare part
	KEX-M8547ZT-91/EW
Description	KEX-M8647ZT-91/EW
Polyethylene Bag	CEG1026
Cover	CEG1045(x2)
Carton	CHG4857
Contain Box	CHL4857(x1/4)
* Air Cap	CHW1947

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KEX-M8547ZT/EW

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This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer.

Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

Service Precaution

- You should conform to the regulations governing the product (safety, radio and noise, and other regulations), and should keep the safety during servicing by following the safety instructions described in this manual.
- 2. When you exchange the CN473 (mentioned P.6 PART No.11) for new part. Cut all terminals about 0.5mm to 1mm. (There is some possibility to touch the terminal with under chassis because of long terminals.)

[Important symbols for good services]

In this manual, the symbols shown-below indicate that adjustments, settings or cleaning should be made securely. When you find the procedures bearing any of the symbols, be sure to fulfill them:

1. Product safety



You should conform to the regulations governing the product (safety, radio and noise, and other regulations), and should keep the safety during servicing by following the safety instructions described in this manual.

2. Adjustments



To keep the original performances of the product, optimum adjustments or specification confirmation is indispensable. In accordance with the procedures or instructions described in this manual, adjustments should be performed.

3. Cleaning



For optical pickups, tape-deck heads, lenses and mirrors used in projection monitors, and other parts requiring cleaning, proper cleaning should be performed to restore their performances.

4. Shipping mode and shipping screws



To protect the product from damages or failures that may be caused during transit, the shipping mode should be set or the shipping screws should be installed before shipping out in accordance with this manual, if necessary.

5. Lubricants, glues, and replacement parts



Appropriately applying grease or glue can maintain the product performances. But improper lubrication or applying glue may lead to failures or troubles in the product. By following the instructions in this manual, be sure to apply the prescribed grease or glue to proper portions by the appropriate amount. For replacement parts or tools, the prescribed ones should be used.

KEX-M8547ZT/EW

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_	1 – 2 – 3	— 4
	CONTENTS	
	SAFETY INFORMATION	3
	1. SPECIFICATIONS	5
Α	2. EXPLODED VIEWS AND PARTS LIST	
^	2.1 EXTERIOR	
	2.2 CASSETTE MECHANISM MODULE	8
	3. BLOCK DIAGRAM AND SCHEMATIC DIAGRAM	10
	3.1 BLOCK DIAGRAM	10
	3.2 OVERALL CONNECTION DIAGRAM(GUIDE PAGE)	12
	3.3 KEYBOARD UNIT	18
	3.4 CASSETTE MECHANISM MODULE	20
	4. PCB CONNECTION DIAGRAM	
	4.1 MAIN UNIT	
	4.2 KEYBOARD UNIT(KEX-M8547ZT/EW)	26
	4.3 KEYBOARD UNIT(KEX-M8647ZT/EW)	27
В	4.4 CASSETTE MECHANISM MODULE	
	5. ELECTRICAL PARTS LIST	
	6. ADJUSTMENT	
	6.1 JIG CONNECTION DIAGRAM	
	6.2 CASSETTE AND AUDIO ADJUSTMENT	
_	6.3 SELF-DIAGNOSIS FUNCTION	
	7. GENERAL INFORMATION	
	7.1 DIAGNOSIS	
	7.1.1 DISASSEMBLY	
	7.1.2 CONNECTOR FUNCTION DESCRIPTION	
	7.1.3 TROUBLE-SHOOTING	
С	7.2 IC	
J	7.3 EXPLANATION	
	7.3.1 SYSTEM BLOCK DIAGRAM	51

 7.3.2 OPERATIONAL FLOW CHART
 52

 7.4 CLEANING
 53

 8. OPERATIONS
 54

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1. SPECIFICATIONS

General
Power source 13.2V(10.5V - 16.0V allowable)
Backup current Less than 0.3 mA
Grounding system Negative type
Weight
Tape player
Tape Compact cassette tape (C-30 - C-90)
Tape speed 4.76 cm/sec.(+0.14 cm/sec.,-0.05 cm/sec.)
Wow & flutter Less than 0.2 %(WRMS)
Fast forward/rewind time Less than 120 sec. for C-60
Stereo separation More than 30 dB
Signal-to-noise ratio More than 40 dB
•
FM tuner
Frequency range 87.5 - 108.0 MHz
Usable sensitivity Less than14 dBμV (S/N: 30 dB)
Signal-to-noise ratio More than 46 dB(54dBµ input)
Distortion Less than 1.5%
Digital noise Less than 25 mVp-p (74 dBμ input)
MW tuner
Frequency range 522 - 1,611 kHz
Usable sensitivity Less than 34 dB μ V(S / N : 20 dB)
Selectivity More than 20 dB (±9 kHz)
Signal-to-noise ratio More than 42 dB (74 dBµ input)
Distortion Less than 1.5%
LW tuner
Frequency range
Usable sensitivity Less than 40 dB μ V(S / N : 20 dB)
Selectivity More than 20 dB (±9 kHz)
Signal-to-noise ratio More than 42 dB (74 dBµ input)
Distortion Less than 1.5%

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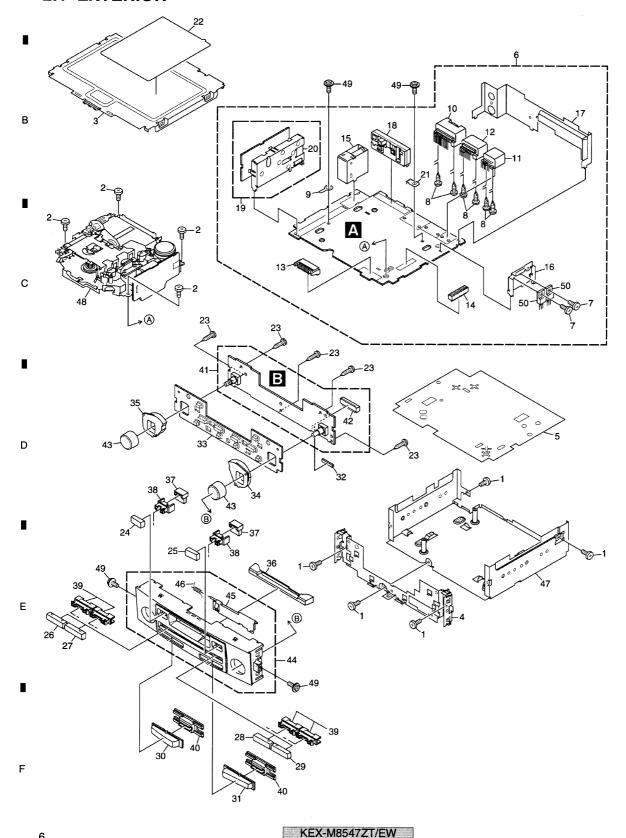
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2. EXPLODED VIEWS AND PARTS LIST

NOTES: • Parts marked by " * " are generally unavailable because they are not in our Master Spare Parts List.

- Screw adjacent to \(name{a}\) mark on the product are used for disassembly.
- For the applying amount of lobricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)

2.1 EXTERIOR



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(1) EXTERIOR SECTION PARTS LIST

Mark No.	<u>Description</u>	Part No.	Mark No.	Description	Part No.	
1	Screw	BMZ30P050FTC	26	Button	See Contrast table(2)	
2	Screw	BSZ26P060FTC	27	Button	See Contrast table(2)	Α
3	Upper Case	CNB3080	28	Button	See Contrast table(2)	
4	Front Frame	CNC9684	29	Button	See Contrast table(2)	
5	Insulator	CNM7528	30	Button	See Contrast table(2)	
•	Main I Init	See Contract table(2)	31	Button	See Contrast table(2)	
6	Main Unit	See Contrast table(2) BMZ30P060FTC	32	Cushion	CNM9194	
7	Screw		33	Rubber	CNV6939	
8	Screw(M3x6)	CBA1393 CKF1064	34	Lighting Conductor	CNV6942	
9 10	Terminal(CN502) Connector(CN801)	CKM1322	35	Lighting Conductor	CNV6943	
4.4	0	OK#41050	36	Lighting Conductor	CNV6944	В
11	Connector(CN473) *1	CKM1350	37	Lighting Conductor	CNV6948	
12	Connector(CN472)	CKM1351	38	Holder	CNV6951	
13	Plug(CN804)	CKS3539	39	Holder	CNV6952	
14	Connector(CN353)	CKS3568	40	Holder	CNV6953	
15	Antenna Jack(CN501)	CKX1024	40	Tioldor	0.110000	_
16	Holder	CNC9686	41	Keyboard Unit	See Contrast table(2)	
17	Rear Frame	CND2155	42	Socket(CN901)	CKS3552	
18	FM Tuner Unit	CWE1679	43	Knob Unit(TUNE)(PWR, VOL)	CXB7979	
19	FM/AM Tuner Unit	CWE1773	44	Grille Unit	See Contrast table(2)	
20	Holder	CNC8855	45	Door	CAT2293	0
		VAIE 4 00 4	46	Spring	CBH1371	С
21	Terminal(CN802)	VNF1084	47	Chassis Unit	CXC3861	
22	Shield Unit	CXB9781	48	Cassette Mechanism Module	EXK4290	
23	Screw	BPZ20P080FTC	49	Screw	ISS26P055FTC	
24	Button	See Contrast table(2)	50	Transistor(Q810, 811)	2SB1185	
25	Button	See Contrast table(2)	50	nansistor(QOTO, OTT)	2001100	

(2) CONTRAST TABLE KEX-M8547ZT/EW and KEX-M8647ZT/EW are constructed the same except for the following:

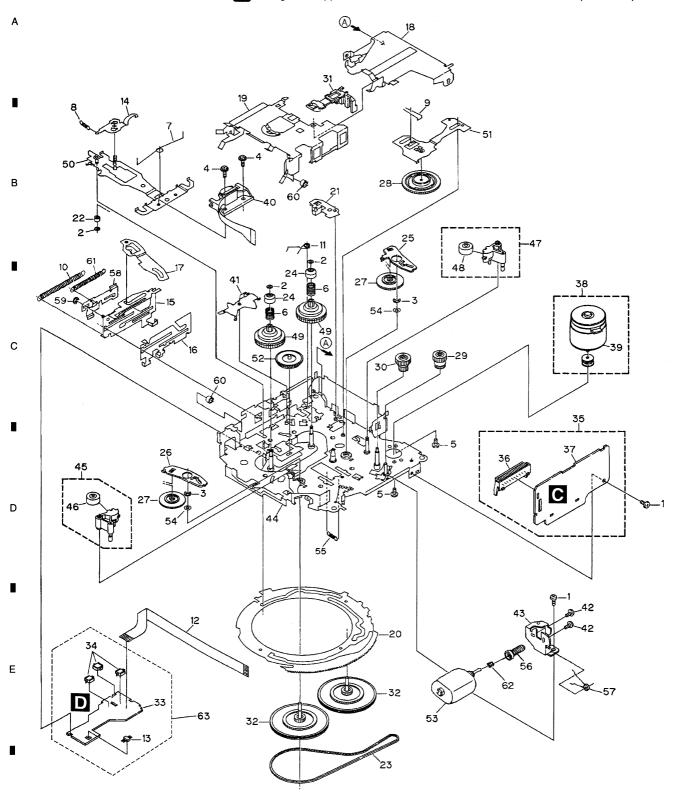
Mark	No.	Description	KEX-M8547ZT/EW	KEX-M8647ZT/EW
	6	Main Unit	CWM9554	CWM9555
	24	Button	CAC7276(TA)	CAC7277(CS-EJECT)
	25	Button	CAC7278(CS-EJECT)	CAC7279(TA)
	26	Button	CAC7280(DISC)	CAC7268(AM)
	27	Button	CAC7281(TAPE)	CAC7269(FM)
	28	Button	CAC7282(FM)	CAC7270(TAPE)
	29	Button	CAC7283(AM)	CAC7271(DISC)
	30	Button	CAC7284(CH, PROG, DISC)	CAC7272(SEEK, TRACK)
	31	Button	CAC7285(SEEK, TRACK)	CAC7273(CH, PROG, DISC)
	41	Keyboard Unit	CWS1338	CWS1339
	44	Grille Unit	CXC3340	CXC3341

^{*1 :} The cautions in the case of exchanging parts (mentioned P.7 PART No.11) are indicated to P.3.

2.2 CASSETTE MECHANISM MODULE

For grease application, refer to the service manual for CX-1011 (CRT2406).

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KEX-M8547ZT/EW

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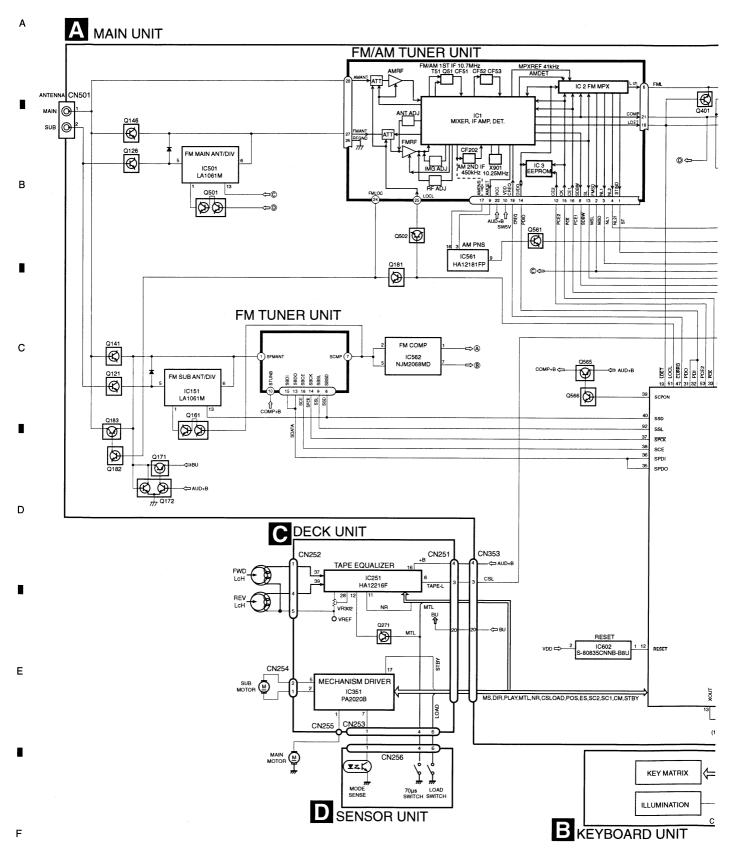
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SSET	5 TE MECHANISM MODU	6 JLE SECTION PARTS	S LIST	7	8	
rk No.	<u>Description</u>	Part No.	Mark No.	<u>Description</u>	Part No.	
1	Screw	BSZ20P040FTC	50	Head Base Unit	EXA1611	
2	Washer	CBF1037				
3	Washer	CBG1003	51	Lever Unit	EXA1587	
4	Screw	EBA1028	52	Gear Unit	EXA1596	
5	Screw	BMZ20P022FTC	53	Motor Unit(M2)	EXA1660	
·	20.0		54	Washer	HBF-179	
6	Spring	EBH1653	55	Spring	EBH1537	
7	Spring	EBH1642				
			56	Worm Gear	ENV1564	
8	Spring	EBH1641	57	Spring	EBH1672	
9	Spring	EBH1626	58	Lever	ENC1548	
10	Spring	EBH1627	59	Washer	YE15FTC	
			60	Tube	ENM1039	
11	Spring	EBH1648	60	Tube	LINIVI 1039	
12	Cord	EDD1024	0.4	0	ED114045	
13	Photo-reflector(Q101)	EGN1004	61	Spring	EBH1645	
14	Arm	ENC1526	62	Spring	EBH1545	
15	Lever Unit	EXA1610	63	Sensor Unit	EWM1041	
16	Lever	ENC1543				
17	Arm	ENC1532				
18	Frame	ENC1533				
19	Holder	ENC1547				
20	Gear	ENC1535				
20	Cour	2.10.1000				
21	Arm	ENC1550				
22	Roller	ENR1040				
23	Belt	ENT1027				
24	Collar	ENV1508				
25	Arm	ENV1539				
25	AIIII	LIV 1555				
26	Arm	ENV1540				
27	Gear	ENV1569				
28	Gear	ENV1547				
29	Gear	ENR1044				
30	Worm Wheel	ENV1559				
31	Lever	ENV1551				
32	Flywheel	ENV1607				
	· · · · · · · · · · · · · · · · · · ·					
33	Gathering PCB	ENX1073				
34	Switch(S101,S102,S103)	ESG1007				
35	Deck Unit	EWM1031				
	DI (ONOSA)	01/00540				
36	Plug(CN251)	CKS3540				
37	Gathering PCB	ENX1066				
38	Motor Unit(M1)	EXA1618				
39	Motor	EXM1035				
40	Head Assy(HD1)	EXA1594				
41	Arm	ENC1537				
42	Screw	EBA1031				
43	Bracket	ENC1559				
44	Chassis Unit	EXA1636				
45	Pinch Holder Unit	EXA1608				
46	Pinch Roller	ENV1518				
47	Pinch Holder Unit	EXA1607				
48	Pinch Roller	ENV1518				
49	Reel Unit	EXA1625				

KEX-M8547ZT/EW 7 8 9

3. BLOCK DIAGRAM AND SCHEMATIC DIAGRAM

3.1 BLOCK DIAGRAM



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KEX-M8547ZT/EW

SYSTEM MUTE Q204 Q205 CN801 Q401 Q402 Q403 UNBALANCE TO BALANCE IC252 PM4009A X251 (3.648MHz) Θ ANTPB RSALP Q252 **(C)** 0882 **Q** ©333 Q884 (C) IC701 HA12187FP 30 29 21 LANLP SWVDD Q645 SYSTEM CONTROLLER Ø451 IC601 5R6V IC IC870 S-812C56AUA-C3K G 0644 (d) ANTB 453 ANT+B Θ ASEN LAN MUTE ET RES MUTE RSEMUTI Ė X601 (10MHz) Q825

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Q816 (C) (D)

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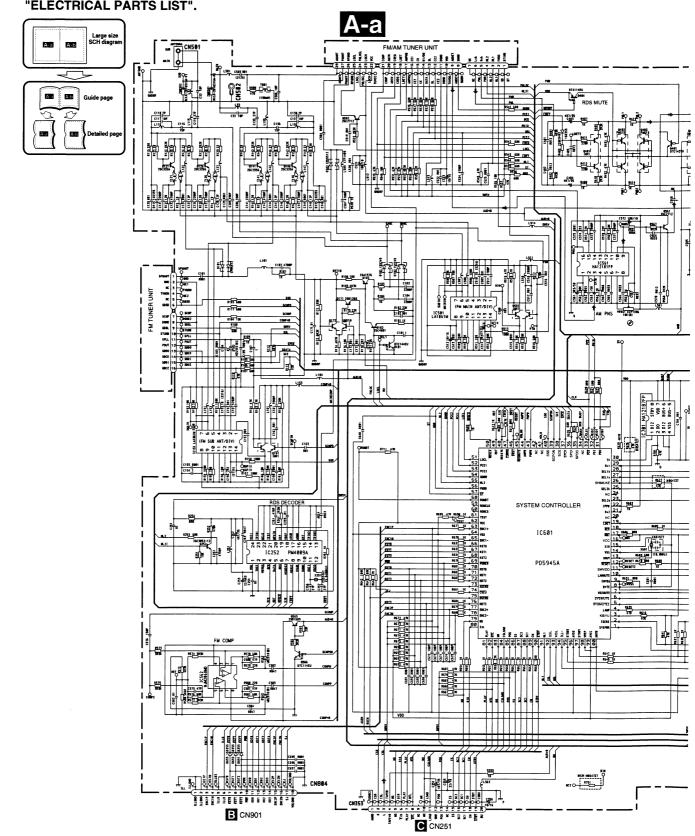
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3.2 OVERALL CONNECTION DIAGRAM(GUIDE PAGE)

Note: When ordering service parts, be sure to refer to " EXPLODED VIEWS AND PARTS LIST" or "ELECTRICAL PARTS LIST".



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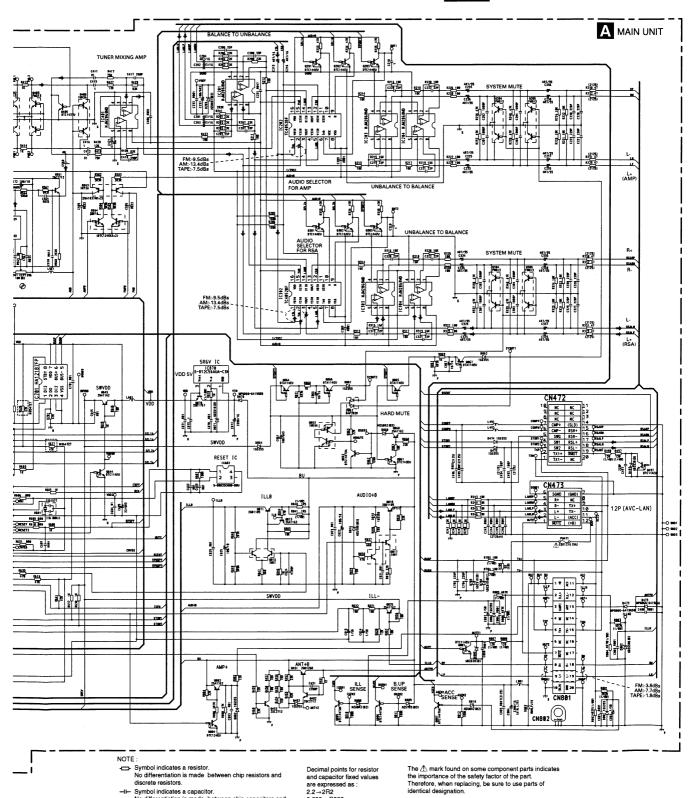
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discrete capacitors

Symbol indicates a capacitor.

No differentiation is made between chip capacitors and

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0.022 → R022

TUNER MIX 18K 8948 ₹¥\$ \$\$\$\$ \$ \$\delta \delta 翼岩 1881 CP#2 き一点 A-b 188 1863 4 A22 BN2- 2 2 D15 BN2+ P \$52717 R568 282K NLT ∠ 00A 00 2 8 Y8T2 1 015 1C701 HA12187FP - 1867 ∓ - 1862 - 1862 C2667 W 2023 171+58 M 3/1+ 9798 鱯 ě O-48889 1722 | See PNS Z8ZZ Z8ZK Z8ZK Z8ZK Z8ZK DIA114EU

MARIA

RDS MUTE R569 168K 5 t Z Z L В 8621 688 8621 688 ₹ 31 CONO 32 CORKE N24 14 1458 1450 1888 5450 QLIET2 \$\frac{2}{2}\frac{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac SPDI SPCK SCE +83K 8+85 8815 C+85 СРОИ AUD+B SWSV ESSE 191 189 9150 2007 2158 28852 9150 188 2150 8157 ass O D D OSS NC 41 HOLD NC V J HOLD] • હૅ MSL PCE2 RS42 688 CREG EMb# NS43 688 NL1 NS33 688 NL1 NS33 888 ST NS33 NS33 NL1 ALONS OF NLY 8158 TSRO 21 Q 20 Q Nr 1 Q Nr 2 Q LWE Q LWE Q LWE Q ON THE EMSD NL1 | New | Z158 | New | Z158 | X178 | Z127 | Z127 | Z159 | New | Z158 TOR FM WAIN ANT/DIV) С , דו צו 8+Q0 HDZEK 1888 5250 707 усу W + S+SH 52, REBS RDSLK 0 M8dS

0 M8dS 861 8158 1201 PCEZ 8289 338K 8 188 E150 10\12 C252 C255 801 GGA MOOS 230 88 8558 88 8258 88 8258 89 7258 15 00/10 計 FM/AM TUNER 853 47K R533 47K R533 47K C 183 A-a 6+2AST 2810 = 1301 1301 ¥ [NINV BS OWO D K2+6 1 BK UB TOCC O SS LOCK O 8252 +JK XZZ LB18 ACC 20.JM-1 7157 ığıı 8178 282 X282 5228 R185 4R7K רסכר NS26 TK #88£7₁£853 - K NV I NCONL C1+6 KB1 D132 128322 C1+6 ISb C1+6 KBB1 HITZ BRZK る十章 816 18 814 120 ----SCOMP +B SWSV SSL SCMPD SEATA C146 22886 C143 126 C144 8881 8162 220K 120 1 180 1 崇掉 Ε C162 RB1 C161 3988P ب 511ع C143 4100b 812 10 8143 150 C141 5500b 5 81 +2 1 B 8164 47K CI 32 27P **#** - III - ES CN205 C586 398P FM SUB ANT/OIV)

(FM SUB ANT/OIV)

(8 9 0 1 1 1 1 1 1 1 × × 512 518 C125 681 C125 18 (2519) C127 188K C159 8001 **O** Z I SSH43 - D UZI] KI 53 55 C158 15b SCCA-ZETOSTIA-PI CN501 8123 18K SBCK SBCK SBCK SBCE NISOLVI ISLO O SCHP O SBSL O SPLL المالية C116 515455 -Ф SUB 750335 2503356 × **FM TUNER UNIT** 0M70ND KEX-M8547ZT/EW

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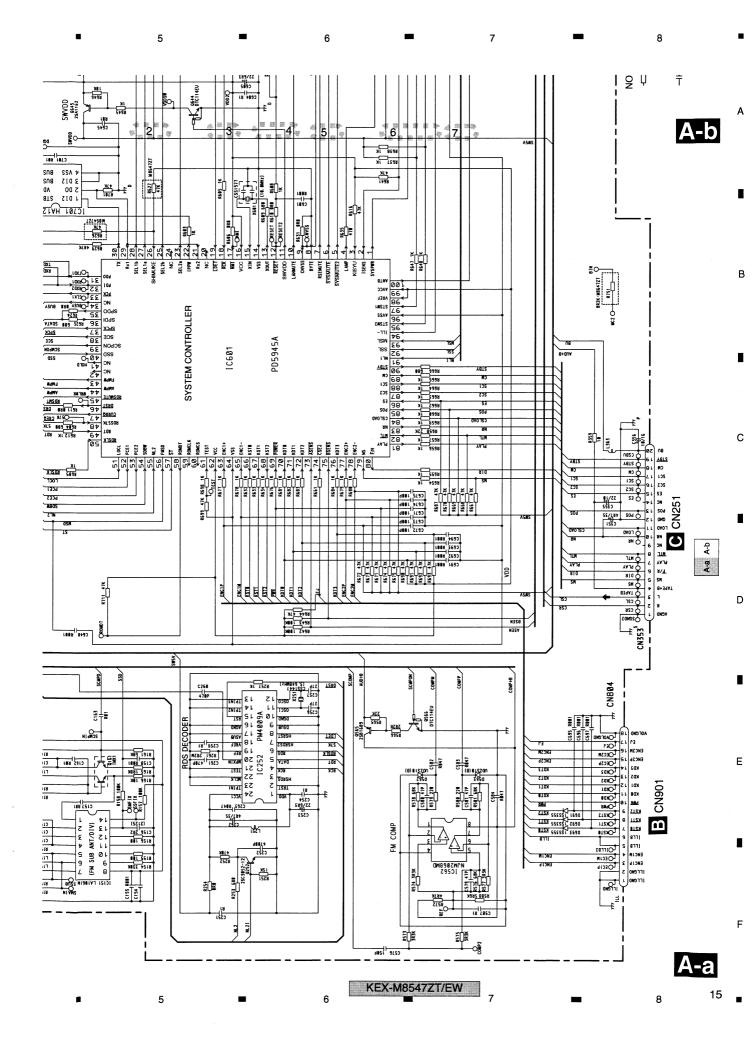
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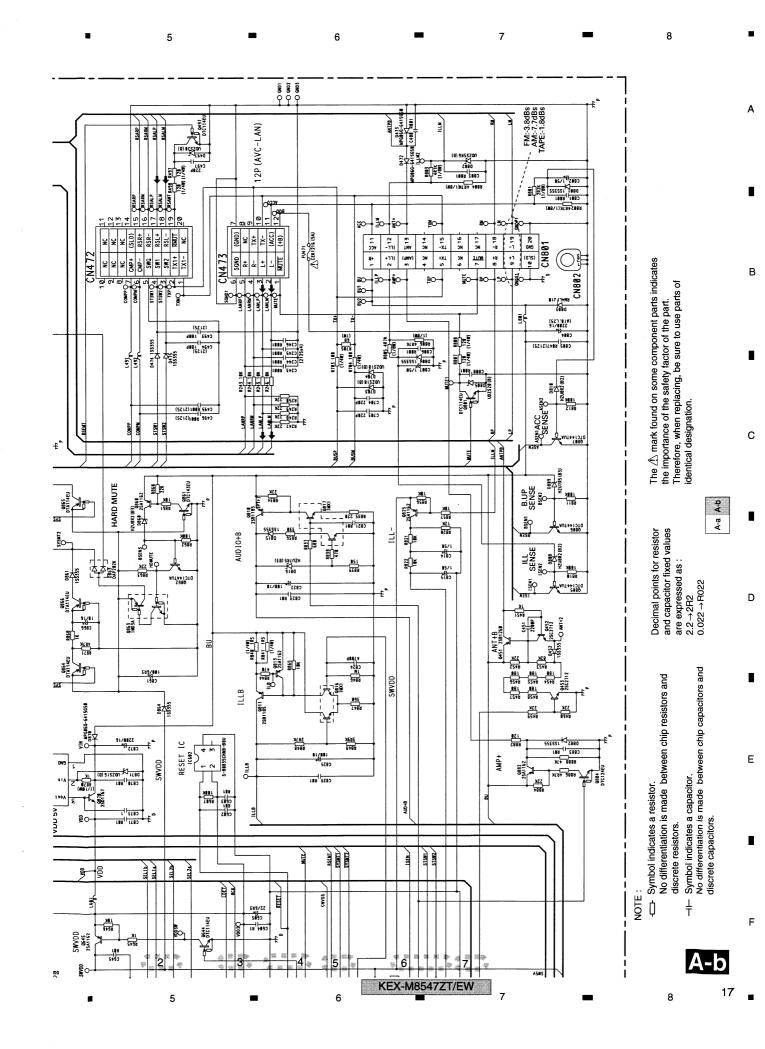


A MAIN UNIT RSALE BSALE (AMP) R+ RSARP RSARW RSARW RSARW L+ (RSA) C251 558b C258 558b C528 5586 C558 5586 C258 558b C228 558b 8555 1 0K KZZJ J DK R321 10K R322 10K 8552 1 BK VEL \$773 8353 18K В \$25.55 \$25.55 \$25.55 \$25.55 4R1/35 C236 C336 C337 CSB2 1888b CSB4 1 SYSTEM MUTE SYSTEM MUTE C282 1888b C28+ 11 SYS F CSB1 18886 CSB5 1 K323 47K 1880P C382 1880 481/35 C224 4R1/35 C225 R227 180 C225 R225 180 48 C223 481/35 481/35 C325 UNBALANCE TO BALANCE 487/35 C324 С R328 16K UNBALANCE TO BALANCE **#** HARD MUTE A-a A-b 0318 1C303 N1M5068MD 0283 DTC14 **₩ ₩ ₩** 劉華 0302 01C14FEU 輕緩 688 8881 CS88 33V VEE D 33A 4#1 9 1/2VCC AMD+8 AUDIO SELECTOR FOR AMP AUDIO SELECTOR FOR RSA 0863 IND3A 91/81 NIBY TUOY NIEY NITA V21N YOUT Y31N 91/18+ 912 10305 1/2VCC AUD+B TO UNBALANCE FM:-9.5dBs AM:-13.4dBs -TAPE:-7.5dBs Ε 1C878 812C56AUA-C3K 2R2K FM:-9.5dBs AM:-13.4dBs ⁷ TAPE:-7.5dBs CB71 | RB1 台 §-C+86 R881 TUNER MIXING AMP 17 398P 15 F 1 BK ₹\$\$\$\$\$ SWVDD 9645 25A1162 \$ **4** 5193 KEX-M8547ZT/EW 1 2 3 4

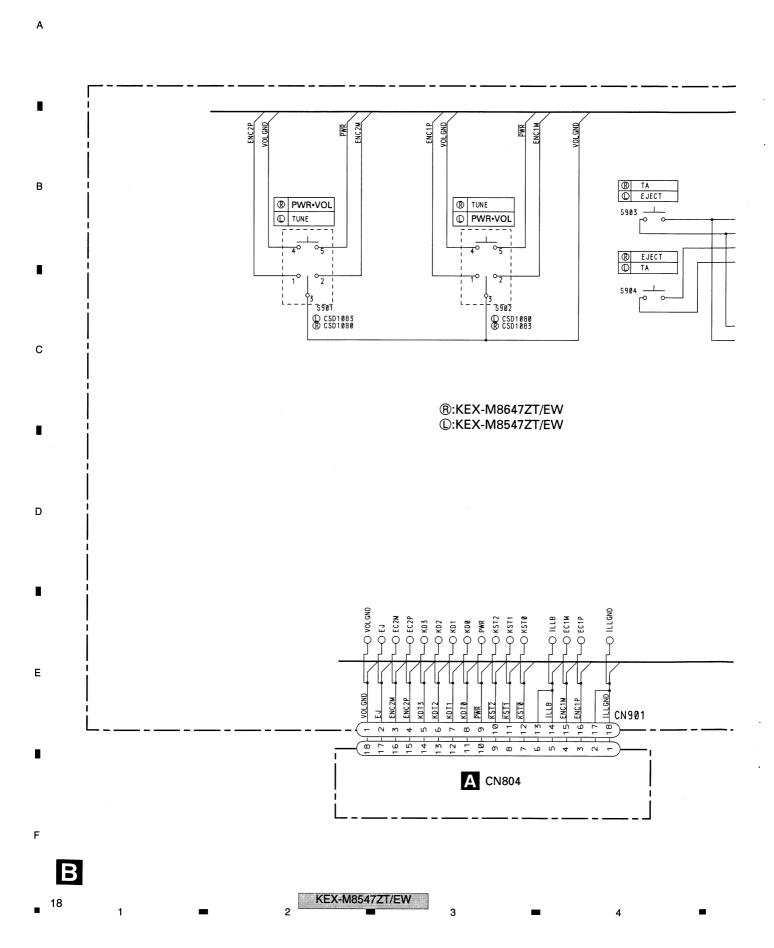
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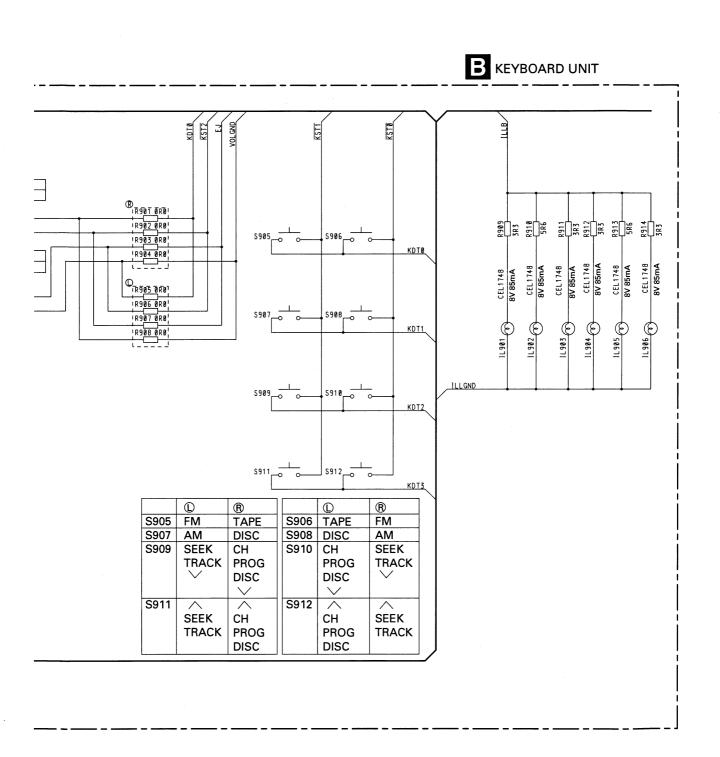
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3.3 KEYBOARD UNIT





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KEX-M8547ZT/EW

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C DECK UNIT S. GND В P022 C253 390P Rev-L C254 390P 31 <u>R</u>ev-R 32 R291 33 RIP MSGV(R) 19 R403 910 18 C404 R01 R284 0F MAOUT 0R0 34 FIN(L) IC251 MSI Fwd-R MSDET C252 390P HA12216F vcc 36 GND MSOUT Fwd-L 37 38 VREF R281 0R0 14 R273 MSGV F/R 13 ₩ 1 39 RIN(R) NFI(R) DOLBY B NR R255 180 TEST TAPE \$Q3 NCT-150 (400Hz, 200nWb/m) \$Q D C272 R1 \$ D 9R0 CN251 GND (Sig) +B MT Ε Lch -8.24dBs(300mV)-1dB

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KEX-M8547ZT/EW

A CN353

M1 MOTOR UNIT (MAIN MOTOR) EXA1618 ММ CN256 EGN1004 CN255 CN253 RSB В GND 3 RS 2 2 2 2 2 2 2 2 2 MTL 额 MCS S102 0 LOAD S101 ° 製工器 第十월 ESG1007x3 910 R01 R362 300 D SENSOR UNIT PA2020B 15 颛 С CN254 R22 M2 MOTOR UNIT (SUB MOTOR) EXA1660 IC351 18 C351 NC 20 NC R374 0R0 5 **MECHANISM** 20 E C354 **DRIVER** F01 C353 D 188355 1362 OR0 C355 R1 LOAD 111 GND (Pwr) 12-POS 13-R ES SC2 SC1 CM STBY Ε SWITCHES: REEL SENSE PCB S101:LOAD SWITCH.....EJECT-PLAY S102:MODE SWITCH.....ON-OFF S103:70 s SWITCH......ON-OFF
The underlined indicates the switch position.

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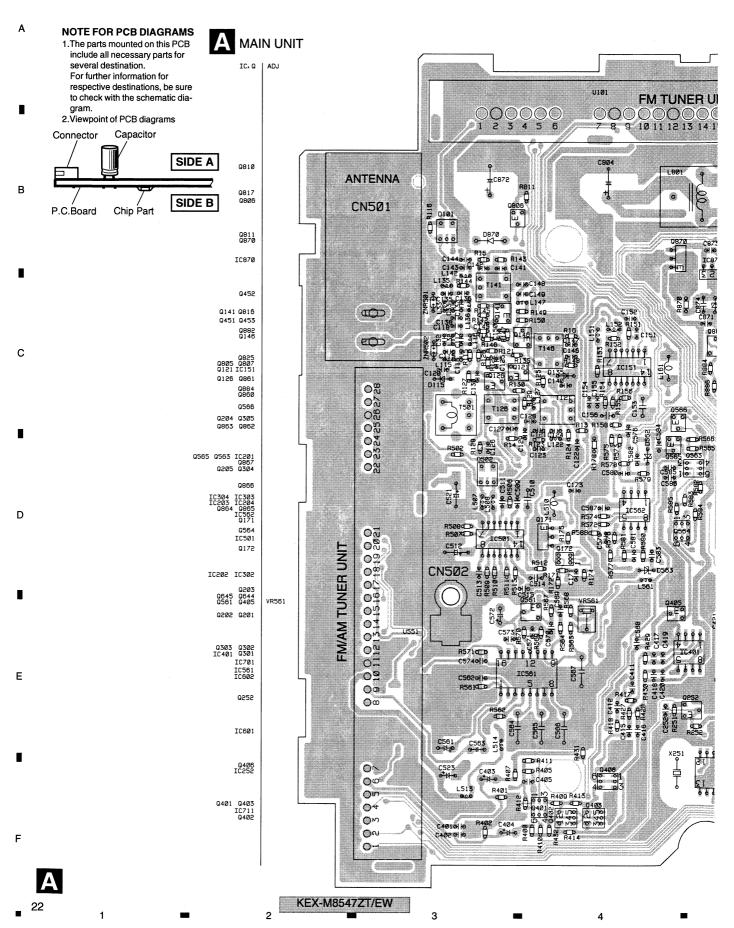
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KEX-M8547ZT/EW

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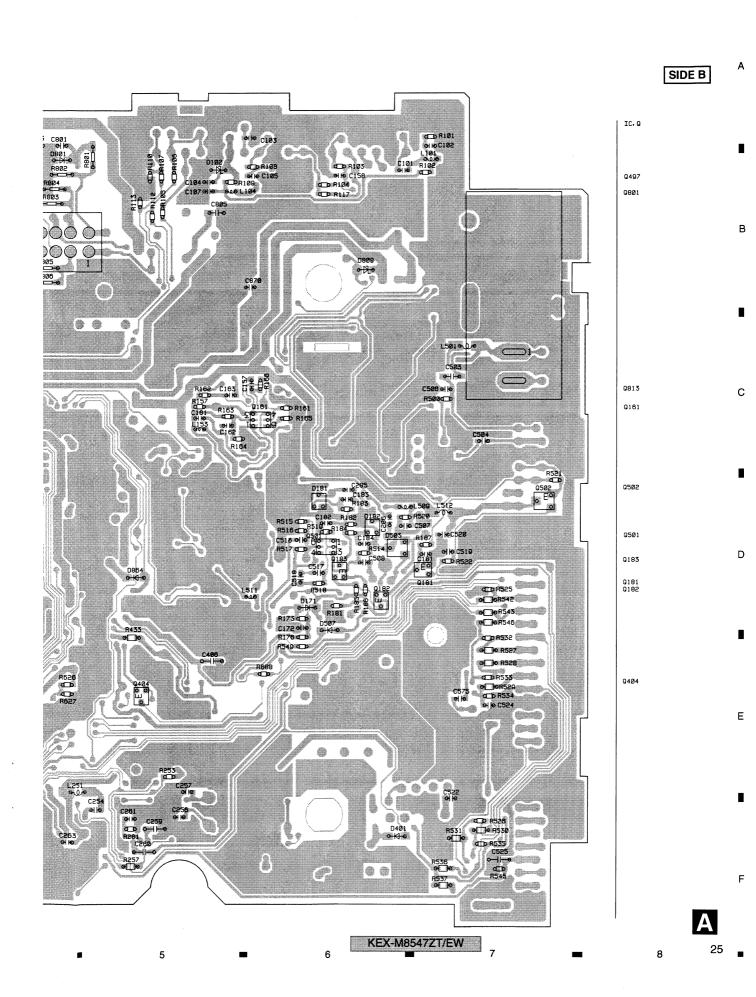
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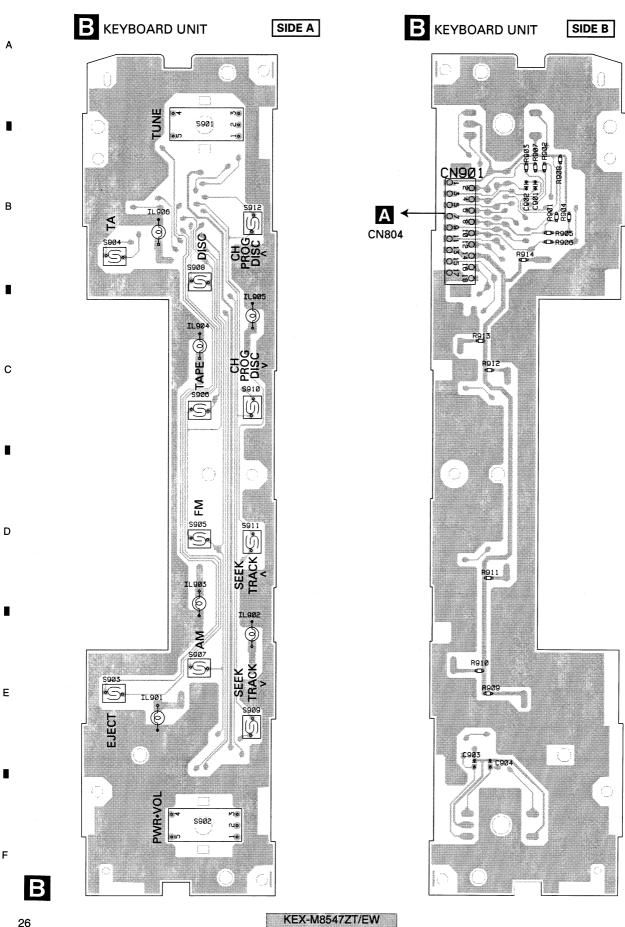
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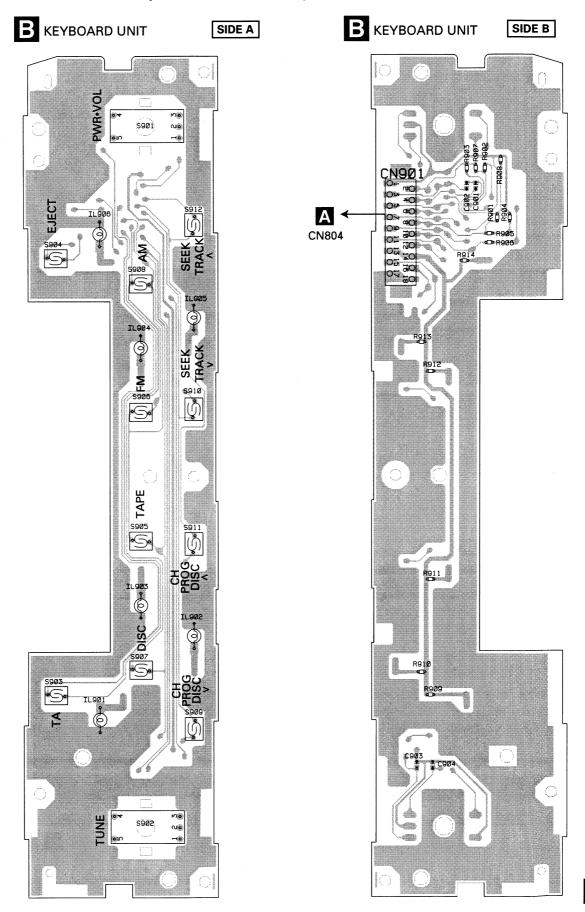


4.2 KEYBOARD UNIT(KEX-M8547ZT/EW)



4.3 KEYBOARD UNIT(KEX-M8647ZT/EW)

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KEX-M8547ZT/EW 7 8 27

8

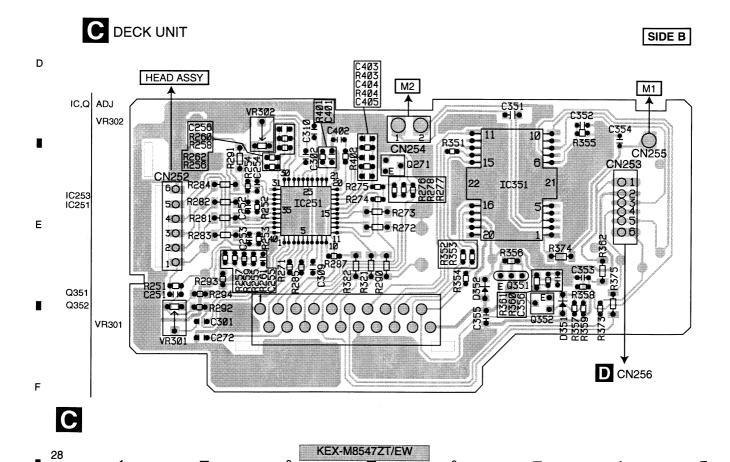
В

С

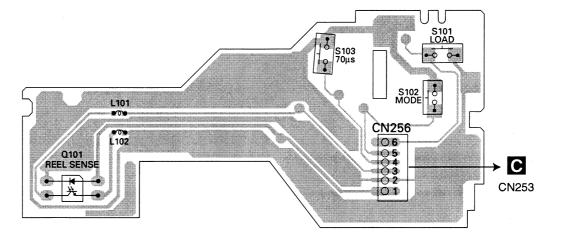
D

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4.4 CASSETTE MECHANISM MODULE



D SENSOR UNIT



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D

5. ELECTRICAL PARTS LIST

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
 - The part numbers shown below indicate chip components.

Chip Resistor

 $RSI/\bigcirc S\bigcirc\bigcirc\bigcirc J, RSI/\bigcirc\bigcirc S\bigcirc\bigcirc\bigcirc J$

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

	Circ	cuit Symbol and No.	Part No.	Circ	cuit Symbol and No.	Part No.
				Q 403	Transistor	FMG13
В	A			Q 404	Transistor	DTA114EU
	Α			Q 405	Transistor	DTC143TU
		ımber:CWM9554 (N	105177T\	Q 406	Transistor	IMH3A
				Q 451	Transistor	2SB1260
	Unit Nu	ımber:CWM9555 (N	/18647ZT)			
	Unit Na	me:Main Unit	•	Q 452	Transistor	2SC2712
	Ome na	meman ome		Q 453	Transistor	2SC2712
•		*******		Q 497	Transistor	DTC114EU
	MISCELL	<u>LANEOUS</u>		Q 501	Transistor	IMX1
				Q 502	Transistor	2SC2712
	IC 151	IC	LA1061M			2002/12
	IC 201	IC	NJM2068MD	Q 561	Transistor	2SC2712
	IC 202	IC	TC4052BF	Q 563	Transistor	IMT2A
_	IC 203	IC	NJM2068MD	Q 564	Transistor	IMH1A
С	IC 204	IC	NJM2068MD	Q 565	Transistor	2SB1689
				Q 566	Transistor	DTC114EU
	IC 252	IC	PM4009A	Q 300	nansistoi	DIOTIALO
	IC 302	IC	TC4052BF	Q 644	Transistor	DTC114EU
	IC 303	IC	NJM2068MD	Q 645	Transistor	2SA1162
	IC 304	IC	NJM2068MD	Q 801	Transistor	DTC114EU
	IC 401	IC	NJM2068MD	Q 805	Transistor	
				Q 806	Transistor	DTC144TUA DTC144TUA
	IC 501	IC	LA1061M	Q 000	Halisisioi	DIC14410A
	IC 561	IC	HA12181FP	Q 807	Transistor	DTC144TUA
	IC 562	IC	NJM2068MD	Q 810	Transistor	2SB1185
	IC 601	IC	PD5945A	Q 811	Transistor	2SB1185
_	IC 602	IC	S-80835CNNB-B8U			
D				Q 813 Q 816	Transistor	2SA1162
	IC 701	IC	HA12187FP	Q olb	Transistor	IMX1
	IC 870	IC	S-812C56AUA-C3K	Q 817	Transistan	IN ANZA
	Q 121	Transistor	2SC3356	Q 825	Transistor	IMX1
	Q 126	Transistor	2SC3356	Q 860	Transistor	2SA1162
	Q 141	Transistor	2SC3356		Transistor	2SA1162
				Q 861	Transistor	DTC143EU
	Q 146	Transistor	2SC3356	Q 862	Transistor	DTC144TUA
	Q 161	Transistor	IMX1	0.000	Too and to be a	11.40.04
	Q 171	Transistor	2SB1260	Q 863	Transistor	IMD3A
	Q 172	Transistor	UMX1N	Q 864	Transistor	DTA114EU
	Q 181	Transistor	DTC144EU	Q 865	Transistor	DTA114EU
_			2.020	Q 866	Transistor	DTA114EU
Ε	Q 182	Transistor	2SC4081	Q 867	Transistor	DTA114EU
	Q 183	Transistor	2SA1576			
	Q 201	Transistor	DTC144EU	Q 870	Transistor	2SD1767
	Q 202	Transistor	DTC144EU	Q 882	Transistor	2SA1162
	Q 203	Transistor	DTC144EU	Q 884	Transistor	DTC124EU
	~ 200	Tallolotoi	D1014420	D 101	Diode	CPH5512
	Q 204	Transistor	FMG13	D 102	Diode	HZU3R3(B2)
	Q 205	Transistor	FMG13			
	Q 252	Transistor	2SC3052-12	D 115	Diode	1SS355
	Q 301	Transistor	DTC144EU	D 135	Diode	1SS355
	Q 302	Transistor	DTC144EU	D 181	Diode	1SV249
	Q 302	Harisisioi	DTC144E0	D 182	Diode	1SV249
_	Q 303	Transistar	DTC144EU	D 203	Diode	HZU4R7(B2)
F	Q 303 Q 304	Transistor Transistor	DTC144EU			
	Q 304 Q 305		FMG13	D 401	Diode	1SS355
		Transistor	FMG13	D 452	Diode	1SS355
	Q 401 O 402	Transistor	IMX1	D 472	Diode	MPG06G-6415G50
	Q 402	Transistor	FMG13			
•	30	1 -	KEX-M8	547ZT/EW	3 =	4

		5 -	6	-		7	-	8	•
	<u>Circu</u>	uit Symbol and No.	Part No.		<u>Circu</u>	it Symbol and	d <u>No.</u>	Part No.	
	D 473	Diode	MPG06G-6415G5	50 L :	514	Inductor		CTF1473	
	D 474	Diode	1SS355	L :	561	Inductor		CTF1473	
	D 475	Diode	1SS355	L	601	Inductor		LCTA100J3225	Α
	D 497	Diode	UDZS20(B)	Ē. i		Coil 350µH		CTH1276	
	D 502	Diode	CPH5512	Т -		Coil		CTC1187	
	D 562	Diode	UDZS10(B)			Coil		CTC1187	
	D 563	Diode	UDZS10(B)	Т .	141	Coil		CTC1187	
	D 691	Diode	1SS355	Т	146	Coil		CTC1187	
	D 692	Diode	1SS355	Т :	501	Coil		CTB1102	•
	D 693	Diode	1SS355	X :		Crystal Resonator	3.648MHz	CSS1447	
	D 703	Diode	UDZS18(B)	X		Radiator 10.0MHz		CSS1577	
	D 704	Diode	UDZS18(B)	VR	561	Semi-fixed 10kΩ(l	3)	CCP1396	
	D 801	Diode	1SS355	FU	471	Fuse 5A		CEK1216	_
	D 802	Diode	UDZS5R6(B)			FM Tuner Unit		CWE1679	В
	D 803	Diode	RM4LFJ10			FM/AM Tuner Unit		CWE1773	
	D 804	Diode	1SS355						
	D 805	Diode	UDZS20(B)	RE	SISTOR	<u>S</u>			
	D 808	Diode	HZU8R2(B2)	R	13			RS1/16S100J	
	D 809	Diode	HZU7R5(B3)	R				RS1/16S100J	•
	D 810	Diode	HZU8R2(B2)	R				RS1/16S100J	•
	D 815	Diode	1SS355	R	16			RS1/16S100J	
	D 816	Diode	HZU7R5(B3)	R	101			RS1/16S102J	
	D 860	Diode	HZU8R2(B3)	R	103			RS1/16S681J	
	D 861	Diode	1SS355		104			RS1/16S153J	_
	D 862	Diode	1SS355		105			RS1/16S681J	С
	D 863	Diode	DAP202K		106			RS1/16S681J	
	D 864	Diode	1SS355	R	107			RS1/16S681J	
	D 870	Diode	MPG06G-6415G5	50 R	108			RS1/16S681J	
	D 871	Diode	UDZS16(B)		109			RS1/16S102J	
	D 882	Diode	1SS355		110			RS1/16S473J	
	ZNR501	Surge Protector	RCCA-201Q31UA	. DI	112			RS1/16S472J	_
	ZNR502	Surge Protector	RCCA-201Q31UA		113			RS1/16S473J	
	L 32	Inductor	LCYB12NJ1608	В	115			RS1/16S331J	
	L 33	Inductor	LCYB12NJ1608		117			RS1/16S681J	
	L 101	Inductor	CTF1409		121			RS1/16S100J	
	L 104	Inductor	CTF1473		122			RS1/16S222J	D
	L 115	Inductor	LCYBR12J1608	R	123			RS1/16S121J	
	L 116	Inductor	LCYBR12J1608	R	124			RS1/16S220J	
	L 122	Inductor	LCYBR10J1608		125			RS1/16S100J	
	L 127	Inductor	LCYBR10J1608		126			RS1/16S100J	
	L 135	Inductor	LCYBR12J1608	R	127			RS1/16S222J	
	L 136	Inductor	LCYBR12J1608	R	128			RS1/16S121J	
	L 142	Inductor	LCYBR10J1608	R	129			RS1/16S220J	
	L 147	Inductor	LCYBR10J1608		130			RS1/16S100J	
	L 151	Inductor	CTF1409		135			RS1/16S331J	
	L 152	Inductor	CTF1409	R	141			RS1/16S100J	Е
	L 153	Inductor	CTF1473	R	142			RS1/16S222J	_
	L 161	Inductor	LCTA561J4532	R	143			RS1/16S121J	
	L 251	Inductor	LCTA101J2520		144			RS1/16S220J	
	L 363	Inductor	LFEA4R7J	R	145			RS1/16S100J	
	L 491	Inductor	CTF1578	R	146			RS1/16S100J	_
	L 492	Inductor	CTF1578	R	147			RS1/16S222J	
	L 501	Inductor	LCTA4R7J2520	R	148			RS1/16S121J	
	L 507	Inductor	CTF1409		149			RS1/16S220J	
	L 508	Inductor	CTF1409		150			RS1/16S100J	
	L 509	Inductor	CTF1409		151			RS1/16S104J	
	L 510	Inductor	LCTA561J4532	R	152			RS1/16S103J	F
	L 511	Inductor	CTF1473	R	153			RS1/16S103J	
	L 512	Inductor	LCTA1R0J2520		154			RS1/16S334J	
	L 513	Inductor	CTF1473						
•		5 -	6	KEX-M8547Z	T/EW	7	-	8	31 💂

	1 -	2	3	4
	Circuit Symbol and No.	Part No.	Circuit Symbol and No.	Part No.
	R 155	RS1/16S101J	R 241	RS1/16S222J
	R 156	RS1/16S101J	R 243	RS1/10S103J
	R 157	RS1/16S104J	R 244	RS1/10S103J
Α	R 158	RS1/16S104J	R 245	RS1/10S103J
	R 161	RS1/16S683J	R 246	RS1/10S103J
	R 162	RS1/16S224J	R 247	RS1/16S223J
	R 163 R 164	RS1/16S473J	R 248	RS1/16S223J
_	H 104	RS1/16S473J	R 249	RS1/16S223J
•	R 165	RS1/16S182J	R 250	RS1/16S223J
	R 166	RS1/16S103J	R 251	RS1/16S153J
	R 171 R 172	RS1/16S152J RS1/16S822J	R 252 R 253	RS1/16S474J RS1/16S681J
	R 174	RS1/16S472J	R 254	RS1/16S0R0J
В			_	
ь	R 175 R 176	RS1/16S223J RS1/16S103J	R 257 R 261	RS1/16S102J RS1/16S225J
	R 178	RS1/10S2R2J	R 285	RS1/16S104J
	R 181	RS1/16S102J	R 286	RS1/16S104J
	R 182	RS1/16S223J	R 313	RS1/16S163J
_	R 183	RS1/16S102J	R 314	RS1/16S163J
•	R 184	RS1/16S102J	R 315	RS1/16S163J
	R 185	RS1/16S472J	R 316	RS1/16S163J
	R 186 R 187	RS1/16S101J RS1/16S223J	R 317 R 318	RS1/16S163J RS1/16S163J
	11 107	1101/1002230	11 310	131/1031030
_	R 201	RS1/16S223J	R 319	RS1/16S163J
С	R 202 R 203	RS1/16S223J	R 320 R 321	RS1/16S163J
	R 204	RS1/16S223J RS1/16S223J	R 322	RS1/16S103J RS1/16S103J
	R 205	RS1/16S223J	R 323	RS1/16S103J
	B 000	D04/4000001	D 004	D04/4004001
	R 206 R 207	RS1/16S223J RS1/16S223J	R 324 R 325	RS1/16S103J RS1/16S181J
	R 208	RS1/16S223J	R 326	RS1/16S181J
	R 211	RS1/16S101J	R 327	RS1/16S181J
	R 212	RS1/16S101J	R 328	RS1/16S181J
	R 213	RS1/16S163J	R 329	RS1/10S470J
D	R 214	RS1/16S163J	R 330	RS1/10S470J
D	R 215	RS1/16S163J	R 331	RS1/10S470J
	R 216 R 217	RS1/16S163J RS1/16S163J	R 332 R 333	RS1/10S470J RS1/16S473J
				110 17 100 17 00
	R 218	RS1/16S163J	R 334	RS1/16S473J
	R 219 R 220	RS1/16S163J RS1/16S163J	R 335 R 337	RS1/16S473J RS1/16S473J
•	R 221	RS1/16S103J	R 338	RS1/16S473J
	R 222	RS1/16S103J	R 339	RS1/16S473J
	R 223	RS1/16S103J	R 340	DC1/16C472 !
	R 224	RS1/16S103J	R 359	RS1/16S473J RS1/16S100J
Е	R 225	RS1/16S181J	R 401	RS1/16S432J
_	R 226	RS1/16S181J	R 402	RS1/16S432J
	R 227	RS1/16S181J	R 405	RS1/16S224J
	R 228	RS1/16S181J	R 407	RS1/16S102J
	R 229	RS1/10S470J	R 408	RS1/16S102J
•	R 230 R 231	RS1/10S470J RS1/10S470J	R 409 R 410	RS1/16S222J RS1/16S222J
-	R 232	RS1/10S470J	R 411	RS1/16S224J
	D. 000			
	R 233 R 234	RS1/16S473J RS1/16S473J	R 412 R 413	RS1/16S224J
	R 235	RS1/16S473J	R 414	RS1/16S102J RS1/16S102J
F	R 237	RS1/16S473J	R 417	RS1/16S753J
-	R 238	RS1/16S473J	R 418	RS1/16S753J
	R 239	RS1/16S473J	R 427	RS1/16S123J
	R 240	RS1/16S473J	R 428	RS1/16S123J
4	32	KEX-M8547ZT	/EW	
• `	1 =	2	3	4

5	6	•	7	8	
Circuit Symbol and No.	Part No.	<u>C</u>	ircuit Symbol and No.	Part No.	
429	RS1/16S823J	R 566		RS1/16S222J	
430	RS1/16S823J	R 567		RS1/16S822J	
431	RS1/16S473J	R 568		RS1/16S222J	
432	RS1/16S473J	R 569		RS1/16S164J	
433	RS1/16S101J	R 570		RS1/16S223J	
451	RS1/16S102J	R 571		RS1/16S473J	
452	RS1/16S223J	R 572		RS1/16S472J	
453	RS1/16S823J	R 573		RS1/16S332J	
45.4	DC1/1001011	D 574		DC1/16C0001	
454 455	RS1/16S181J RS1/16S181J	R 574 R 575		RS1/16S332J RS1/16S332J	
456		R 576		RS1/16S683J	
	RS1/16S181J	R 577		RS1/16S332J	
457 459	RS1/16S181J	R 578		RS1/16S683J	
458	RS1/16S181J	n 5/6		NS 1/1030033	
459	RS1/16S223J	R 579		RS1/16S221J	
460	RS1/16S223J	R 580		RS1/16S221J	
497	RS1/4S121J	R 581		RS1/16S683J	
498	RS1/4S121J	R 582		RS1/16S332J	
500	RS1/16S471J	R 583		RS1/16S332J	
	1107/1004/10	11 303		1.0 1/1000020	
506	RS1/16S104J	R 584		RS1/16S332J	
507	RS1/16S103J	R 585		RS1/16S332J	
508	RS1/16S103J	R 588		RS1/16S562J	
509	RS1/16S334J	R 603		RS1/16S102J	
510	RS1/16S101J	R 604		RS1/16S681J	
511	RS1/16S101J	R 605		RS1/16S102J	
512	RS1/16S104J	R 606		RS1/16S0R0J	
513	RS1/16S104J	R 607		RS1/16S104J	
514	RS1/16S103J	R 608		RS1/16S102J	
515	RS1/16S182J	R 609		RS1/16S681J	
516	RS1/16S683J	R 610		RS1/16S0R0J	
517	RS1/16S224J	R 611		RS1/16S0R0J	
518	RS1/16S473J	R 612		RS1/16S102J	
519	RS1/16S473J	R 616		RS1/16S473J	
520	RS1/16S102J	R 620		RS1/16S0R0J	
522	RS1/16S222J	R 621		RS1/16S681J	
525	RS1/16S473J	R 622		RS1/16S0R0J	
526	RS1/16S681J	R 624		RS1/16S0R0J	
527	RS1/16S681J	R 625		RS1/16S681J	
528	RS1/16S681J	R 626	(M8547ZT)	RS1/16S473J	
500	RS1/16S103J	D 607	(M8647ZT)	DC1/16C472 I	
529 530	RS1/16S681J	R 627 R 629	(IVIOUT/ Z I)	RS1/16S473J RS1/16S472J	
531	RS1/16S473J	R 631		RS1/16S0R0J	
532	RS1/16S473J	R 632		RS1/16S102J	
533	RS1/16S472J	R 633		RS1/16S102J	
534	RS1/16S393J	R 634		RS1/16S102J	
535	RS1/16S473J	R 635		RS1/16S471J	
536	RS1/16S103J	R 637		RS1/16S102J	
537	RS1/16S473J	R 638		RS1/16S102J	
538	RS1/16S681J	R 641		RS1/16S473J	
539	RS1/16S681J	R 642		RS1/16S104J	
541	RS1/16S681J	R 643		RS1/16S104J	
542	RS1/16S681J	R 644		RS1/16S473J	
543	RS1/16S681J	R 645		RS1/16S102J	
544	RS1/16S681J	R 646		RS1/16S103J	
545	RS1/16S473J	R 647		RS1/16S102J	
546	RS1/16S473J	R 648		RS1/16S102J	
561	RS1/16S103J	R 654		RS1/16S102J	
562	RS1/16S123J	R 655		RS1/16S102J	
563	RS1/16S125J	R 656		RS1/16S102J	
564	RS1/16S562J	R 657		RS1/16S102J	
565	RS1/16S223J	R 658		RS1/16S223J	
5 ■	6	KEX-M8547ZT/EW	7 -	8	33
-	J	_	-	J	

_		_		_		_		_
		1 -	2	-	3		4	•
	<u>Circ</u>	uit Symbol and No.	<u>Part No.</u>		<u>Circu</u>	<u>iit Symbol and No</u>	o. Part No.	
	R 659		RS1/16S102J		R 840		RS1/4S1R5J	
	R 660		RS1/16S102J		R 841		RS1/4S1R5J	
	R 661		RS1/16S102J		R 844		RS1/16S471J	
Α								
	R 662		RS1/16S102J		R 846		RS1/16S105J	
	R 663		RS1/16S102J		R 847		RS1/10S361J	
	R 664		RS1/16S102J		R 848		RS1/16S272J	
	R 665		RS1/16S102J		R 849		RS1/16S392J	
	R 666		RS1/16S681J		R 856		RS1/16S103J	
_	555						110 11 100 1000	
	R 667		RS1/16S473J		R 857		RS1/16S103J	
	R 668		RS1/16S473J		R 860		RS1/16S223J	
	R 669		RS1/16S473J		R 861		RS1/16S103J	
	R 670		RS1/16S473J		R 862		RS1/16S104J	
	R 671		RS1/16S473J		R 863		RS1/16S223J	
					555		1101/1002200	
В	R 672		RS1/16S473J		R 865		RS1/16S103J	
	R 673		RS1/16S473J		R 867		RS1/16S472J	
	R 674		RS1/16S473J		R 868		RS1/16S102J	
	R 675		RS1/16S473J		R 869		RS1/16S102J	
	R 676		RS1/16S102J		R 870		RS1/10S102J	
	11 0/0		1131/1031023		11 0/0		H31/1031023	
_	R 677		RS1/16S102J		R 871		RS1/16S472J	
	R 678		RS1/16S102J		R 882		RD1/4PU121J	
	R 679		RS1/16S102J		R 884		RS1/16S223J	
	R 680		RS1/16S102J		R 886		RS1/16S472J	
	R 681		RS1/16S102J		R 888		RS1/16S472J	
	11 001		N3 1/103 1023		П 000		NS 1/1034/30	
	R 682		RS1/16S102J		CAPACITO	De		
С	R 683		RS1/16S102J		CAFACITO	<u>'no</u>		
	R 684		RS1/16S102J		0.00		000001400050	
	R 685		RS1/16S102J		C 32		CCSRCH100D50	
	R 687		RS1/16S473J		C 33		CCSRCH100D50	
	11 007		1101/1004/30		C 101		CKSRYB102K50	
	R 690		RS1/16S473J		C 102		CKSRYB472K50	
_	R 691		RS1/16S473J		C 103		CKSRYB102K50	
	R 692		RS1/16S473J		0.404		OKODYD404K05	
	R 693		RS1/16S473J		C 104		CKSRYB104K25	
	R 698		RS1/16S102J		C 105		CKSRYB102K50	
	11 000		1101/1001020		C 107		CKSRYB105K10	
	R 699		RS1/16S473J		C 115		CCSRCH270J50	
	R 701		RS1/16S473J		C 116		CCSRCH150J50	
D	R 703		RS1/4S101J		0.447		0000011100000	
	R 704		RS1/4S101J		C 117		CCSRCH100D50	
	R 705		RS1PMF680J		C 118		CCSRCK2R0C50	
	11 705		11311 1011 0003		C 120		CKSRYB103K50	
	R 711		DC1/16C/72 I		C 121		CKSRYB222K50	
	R 751	(M8647ZT)	RS1/16S473J RS1/16S822J		C 122		CKSRYB472K50	
	R 801	(MOOT/21)	RS1/8S222J		0.400		00000111	
-	R 802		RS1/8S472J		C 123		CCSRCH120J50	
	R 803		RS1/8S472J		C 124		CKSRYB102K50	
	11 000		110 1/004/2J		C 126		CKSRYB222K50	
	R 804		RS1/8S472J		C 127		CKSRYB472K50	
	R 805		RS1/8S472J		C 128		CCSRCH120J50	
	R 806		RS1/8S472J		0.400		01/05/2015	
Ε	R 807		RS1/8S472J RS1/4S121J		C 129		CKSRYB102K50	
	R 808				C 135		CCSRCH270J50	
	11 000		RS1/4S121J		C 136		CCSRCH150J50	
	R 810		DQ1/160104 !		C 137		CCSRCH100D50	
	R 811		RS1/16S104J		C 138		CCSRCK2R0C50	
	R 812		RS1/16S104J					
			RS1/16S104J		C 140		CKSRYB103K50	
•	R 820		RS1/16S123J		C 141		CKSRYB222K50	
	R 821		RS1/16S103J		C 142		CKSRYB472K50	
	D 000		D04/4004007		C 143		CCSRCH120J50	
	R 822		RS1/16S103J		C 144		CKSRYB102K50	
	R 834		RS1/16S223J					
	R 835		RS1/16S221J		C 146		CKSRYB222K50	
F	R 836		RS1/16S331J		C 147		CKSRYB472K50	
	R 837		RS1/16S681J		C 148		CCSRCH120J50	
	D 000				C 149		CKSRYB102K50	
	R 838		RS1/16S471J		C 151		CKSRYB472K50	
	R 839		RS1/16S151J					
	34		ŀ	(EX-M8547ZT)	'EW			
• `	<i>,</i> ¬	1 =	2		3	-	4	

	•	5 -	6	.	7	8	-
	Circ	cuit Symbol and No.	Part No.	Circu	uit Symbol and No.	Part No.	
	C 152		CKSRYB103K50	C 261		CCSRCH471J50	
	C 153		CKSYB106K6R3	C 262		CEJQ4R7M35	
	C 154		CKSRYB105K10	C 263		CKSRYB473K50	Α
	C 155		CKSRYB102K50	C 281		CKSRYB182K50	
	C 156		CKSQYB225K10	C 282		CKSRYB182K50	
	C 157		CKSRYB103K50	C 283		CKSRYB182K50	
	C 158		CKSRYB102K50	C 284		CKSRYB182K50	
	C 161		CKSRYB392K50	C 285		CCSRCH391J50	_
	C 162		CKSRYB103K50	C 286		CCSRCH391J50	
	C 163		CKSRYB103K50	C 309		CKSRYB102K50	
f	C 171		CKSRYB104K16	C 310		CKSRYB105K10	
	C 171		CKSRYB103K50	C 319		CCSRCH220J50	
	C 172		CKSRYB103K50	C 320		CCSRCH220J50	
	C 181		CKSRYB105K10	C 321		CCSRCH220J50	В
	C 182		CKSRYB103K50	C 322		CCSRCH220J50	
	C 183		CKSRYB222K50	C 323	4.7μF/35V	CCH1432	
	C 183		CKSRYB222K50	C 324	4.7μF/35V 4.7μF/35V	CCH1432	
	C 201		CEJQNP4R7M16	C 325	4.7μF/35V	CCH1432	
	C 201		CEJQNP4R7M16	C 326	4.7μF/35V	CCH1432	_
	C 203		CEJQNP4R7M16	C 327	д. 700 Т	CCSRCH221J50	
	C 204		CEJQNP4R7M16	C 328		CCSRCH221J50	
	C 204 C 205		CCSRCH330J50	C 329		CCSRCH221J50	
	C 205		CCSRCH330J50	C 329		CCSRCH221J50	
	C 206		CCSRCH330J50	C 335	4.7μF/35V	CCH1432	
	C 208		CCSRCH330J50	C 336	4.7μF/35V	CCH1432	С
			OKODYD400KF0	0.007	4.7	CC111.420	
	C 209		CKSRYB102K50	C 337	4.7μF/35V	CCH1432	
	C 210		CKSRYB105K10	C 338 C 351	4.7μF/35V	CCH1432 CEJQ4R7M35	
	C 215		CEJQNP4R7M16	C 351		CEJQ4H7M33 CEJQ220M10	
	C 216 C 219		CEJQNP4R7M16 CCSRCH220J50	C 356		CEJQ220M10 CEJQ100M16	
	0.000			0.001		CKCDVD100KE0	_
	C 220		CCSRCH220J50	C 381		CKSRYB182K50 CKSRYB182K50	
	C 221		CCSRCH220J50	C 382 C 383		CKSRYB182K50	
	C 222	4.7E/05V	CCSRCH220J50 CCH1432	C 384		CKSRYB182K50	
	C 223 C 224	4.7μF/35V 4.7μF/35V	CCH1432 CCH1432	C 401		CKSRYB123K50	
	0 224	4.7μι /35 ν	00111402	0 401		CHOITI B 120100	D
	C 225	4.7μF/35V	CCH1432	C 402		CKSRYB123K50	
	C 226	4.7μF/35V	CCH1432	C 403	4.7μF/35V	CCH1432	
	C 227		CCSRCH221J50	C 404	4.7μF/35V	CCH1432	
	C 228		CCSRCH221J50	C 405		CKSRYB153K50	
	C 229		CCSRCH221J50	C 406		CKSRYB102K50	•
	C 230		CCSRCH221J50	C 411		CKSRYB104K16	-
	C 231		CKSRYB473K50	C 412		CKSRYB104K16	
	C 232		CEJQ101M6R3	C 415		CKSRYB105K10	
	C 233		CKSRYB102K50	C 416		CKSRYB105K10	
	C 235	4.7μF/35V	CCH1432	C 417		CCSRCH391J50	
	C 236	4.7μF/35V	CCH1432	C 418		CCSRCH391J50	Ε
	C 236	4.7μF/35V 4.7μF/35V	CCH1432	C 421		CEJQ470M6R3	
	C 238	4.7μF/35V 4.7μF/35V	CCH1432	C 451		CKSRYB222K50	
-	C 243	p 1	CKSQYB102K50	C 480		CKSQYB102K50	
	C 244		CKSQYB102K50	C 493		CCSQCH181J50	
	C 245		CKSQYB102K50	C 494		CCSQCH181J50	
•	C 245		CKSQYB102K50	C 494 C 495		CKSQYB102K50	-
	C 251		CKSRYB104K16	C 496		CKSQYB102K50	
	C 252		CKSRYB472K50	C 497		CCSRCH221J50	
	C 253		CEJQ220M6R3	C 503		CKSQYB103K50	
	C 254		CKSRYB104K16	C 504		CKSRYB102K50	_
	C 254		CCSRCH270J50	C 506		CCSRCH100D50	F
	C 257		CCSRCH270J50	C 507		CKSRYB472K50	
	C 259		CKSRYB104K16	C 508		CKSRYB103K50	
	C 260		CCSRCH471J50	C 509		CKSRYB103K50	
				EX-M8547ZT/EW			O.F.
		5 =	6		7 🖿	8	35

KEX-M8547ZT/EW 7 **8** 35

	1 -	2	-	3	4
	Circuit Symbol and No.	Part No.	Cir	cuit Symbol and No.	Part No.
	Oncor Cymbol and No.	<u>1 dit 110.</u>	<u> </u>	cuit Oyinbor and No.	<u>1 art 140.</u>
	C 510	CKSYB106K6R3	C 701		CKSRYB103K50
	C 511	CKSRYB472K50	C 703		CCSRCH221J50
Α	C 512	CEV100M16	C 704		CCSRCH221J50
	C 513	CKSRYB102K50	C 801		CKSRYB102K50
	C 514	CKSQYB225K10	C 802		CEJQ1R0M50
	O 515	CKCDAD100KE0	C 909		OKCDVD400KE0
	C 515 C 516	CKSRYB102K50 CKSRYB103K50	C 803 C 804	2200μF/16V	CKSRYB102K50
_	C 516	CKSRYB103K50	C 804 C 805	2200με/160	CCH1405(P35) CKSQYB473K50
ı	C 518	CKSRYB392K50	C 806		CKSRYB102K50
	C 519	CKSRYB103K50	C 807		CEJQ1R0M50
	C 520	CKSRYB103K50	C 808		CKSRYB102K50
	C 521	CEV101M10	C 814		CEJQ1R0M50
В	C 522	CKSRYB103K50	C 815		CEJQ1R0M50
ь	C 523	CEJQ100M16	C 821	400 5/40)/	CKSRYB103K50
	C 524	CKSRYB472K50	C 822	100μF/10V	CCH1402
	C 525	CKSRYB102K50	C 823		CKSRYB103K50
	C 561	CEJQ3R3M50	C 824		CKSRYB472K50
	C 562	CKSRYB333K16	C 825	100μF/10V	CCH1402
	C 563	CEJQNP1R0M50	C 829		CKSRYB103K50
-	C 564	CQMA683J50	C 861		CEJQ101M6R3
	C 565	CQMA333J50	C 866		CEJQ100M16
	C 566	CQMA333J50	C 867		CEJQ100M16
	C 567 C 568	CQMA333J50	C 870		CKSRYB103K50
С	C 569	CKSRYB105K10 CKSRYB333K16	C 871 C 872	2200μF/16V	CKSRYB103K50
	0 303	OROTT BOOSK TO	0 0/2	2200μι / 10 ν	CCH1405(P35)
	C 570	CKSRYB123K50	C 873		CKSRYB105K10
	C 571	CKSRYB682K50	C 883		CKSRYB103K50
	C 572	CEJQ101M10			
	C 573	CKSRYB392K50	В		
	C 574	CKSRYB334K10		0.000	A-4\
	0.575	01/07/04/00//50		ımber:CWS1338(M	
	C 575 C 576	CKSRYB102K50 CCSRCH151J50	Unit Nu	mber:CWS1339(M	8647 ZT)
	C 579	CCSRCH470J50	Unit Na	me:Keyboard Unit	•
	C 580	CCSRCH470J50	J	o	•
_	C 581	CCSRCH470J50	MISCELI	ANEOUS	
D			MICCELL	<u> </u>	
	C 582	CKSRYB473K50	S 901	Encoder(M8547ZT)	CSD1083
	C 583	CKSRYB473K50	S 901	Encoder(M8647ZT)	CSD1080
	C 584	CKSRYB473K50	S 902	Encoder(M8547ZT)	CSD1080
	C 585 C 586	CKSRYB223K50	S 902	Encoder(M8647ZT)	CSD1083
	C 586	CKSRYB223K50	IL 901	Lamp 8V 85mA	CEL1748
•	C 587	CKSRYB104K16			051.1516
	C 601	CKSRYB102K50	IL 902	Lamp 8V 85mA	CEL1748
	C 602	CKSRYB103K50	IL 903 IL 904	Lamp 8V 85mA Lamp 8V 85mA	CEL1748 CEL1748
	C 603	CKSRYB103K50	IL 905	Lamp 8V 85mA	CEL1748
	C 604	CKSRYB104K16	IL 906	Lamp 8V 85mA	CEL1748
Е	0			•	
	C 605	CEJQ220M6R3	RESISTO	ORS CONTRACTOR	
	C 645	CKSRYB103K50			
	C 648 C 671	CKSRYB102K50 CCSRCH101J50	R 901	(M8647ZT)	RS1/16S0R0J
	C 672	CCSRCH101J50	R 902	(M8647ZT)	RS1/16S0R0J
	5 5.2	00011011101000	R 903	(M8647ZT)	RS1/16S0R0J
	C 673	CCSRCH101J50	R 904	(M8647ZT)	RS1/16S0R0J
	C 674	CCSRCH101J50	R 905	(M8547ZT)	RS1/16S0R0J
	C 675	CCSRCH101J50	P one	(M9547 7T)	DC1/16C0D0 I
	C 691	CKSRYB102K50	R 906 R 907	(M8547ZT)	RS1/16S0R0J RS1/16S0R0J
	C 692	CKSRYB102K50	R 908	(M8547ZT)	RS1/16S0R0J
	0.000	01/07/17	R 909	(11007121)	RS1/16S3R3J
F	C 693	CKSRYB102K50	R 910		RS1/16S5R6J
	C 694	CKSRYB102K50			
	C 695 C 696	CKSRYB102K50	R 911		RS1/16S3R3J
	C 697	CKSRYB102K50 CKSRYB102K50	R 912		RS1/16S3R3J
			E 477T/EIM		
•	36 –	2	3547ZT/EW	3 -	4
	•	-	_	-	7

•	5	-	6	-		7	-	8
	Circuit Sym	nbol and No.	Part No.		<u>Circu</u>	it Symbol a	ınd No.	Part No.
R 91 R 91			RS1/16S5R6J RS1/16S3R3J	CA	PACITO	RS		
	•		1101/10001100	С	251			CKSRYB391K50
C				С	252			CKSRYB391K50
					253			CKSRYB391K50
Unit	t Number:I	EWM1031			254			CKSRYB391K50
Unit	Name:De	ck Unit		С	255			CKSRYB103K50
MISC	CELLANEOU	<u>IS</u>		Ċ	256 271 272	1μF/50V		CKSRYB103K50 ECH0002 CKSRYB104K25
IC 25	1 IC		HA12216F	_	301			CKSRYB104K25
IC 35	1 IC		PA2020B		302			CKSRYB104K25
Q 27	1 Transiste	or	2SC4116	_				
D 35			1SS355	С	309			CKSRYB104K25
VR30)1 Semi-fix	æd 33kΩ(B)	CCP1280		310			CKSRYB104K25
				С	351			CKSQYB224K16
VR30)2 Semi-fix	æd 33kΩ(B)	CCP1280	С	352			CKSRYB392K50
DEC	<u>ISTORS</u>			С	353			CKSRYB103K50
NLO	1310113			С	354			CKSRYB103K50
R 25	5		RS1/16S181J	С	355			CKSQYB104K50
R 25			RS1/16S181J	С	356			CKSRYB103K50
R 25			RS1/16S183J		401			CKSRYB392K50
R 25			RS1/16S183J	С	402			CKSRYB334K10
R 25	9		RS1/16S133J	_				0.405.450
Б 00			DC1/16C100 I		403			CKSRYB223K25
R 26			RS1/16S133J		404			CKSRYB103K50
R 26 R 26			RS1/16S274J RS1/16S274J	C	405			CKSRYB333K16
R 27			RS1/16S183J					
R 27			RS1/8S0R0J					
11 27	_		110170001100	Ui	nit Nun	nber:EWN	11041	
R 27	3		RS1/8S0R0J			ne:Sensor		
R 27			RS1/16S0R0J	O.	iiit ivaii	16.5611301	Oint	
R 27			RS1/16S473J		COELLA	NEOUS		
R 27			RS1/16S104J	<u> </u>	SCELLA	NEOUS		
R 27	7		RS1/16S224J		101	Industra		CTF1546
D 07	' 0		RS1/16S104J		101 102	Inductor Inductor		CTF1546
R 27 R 28			RS1/8S0R0J		101	Switch(LOAD)		ESG1007
R 28			RS1/8S0R0J		102	Switch(MODE)		ESG1007
R 28			R\$1/8S0R0J		103	Switch(70µS)		ESG1007
R 28	-		RS1/8S0R0J	_				
				Q	101	Photo-reflector		EGN1004
R 28			RS1/16S0R0J		!===!!:	n :	ula !	
R 28			RS1/16S0R0J	IVI	iscella	neous Pai	rts List	
R 29			RS1/8S0R0J RS1/10S0R0J					
R 29			RS1/10S0R0J	М		Motor Unit(MAI		EXA1618
n 28	,,		1131/10301100	M HE		Motor Unit(SUE Head Assy	3)	EXA1660 EXA1594
R 29	94		RS1/10S0R0J	116	- •	, 100y		
R 32			RS1/8S0R0J					
R 32			RS1/8S0R0J					
R 35			RS1/16S102J					
R 35	52		RS1/16S102J					
R 35			RS1/16S102J					
R 35			RS1/16S102J					
R 35			RS1/16S274J					
R 36			RS1/8S301J					
R 37	' 3		RS1/16S0R0J					
R 37	74		RS1/8S0R0J					
R 37			RS1/8S0R0J					
R 40			RS1/16S153J					
R 40			RS1/16S332J					
R 40	03		RS1/16S911J					
R 40	04		RS1/16S274J					

В

С

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5 KEX-M8547ZT/EW 7 8 37

6. ADJUSTMENT

Α

В

С

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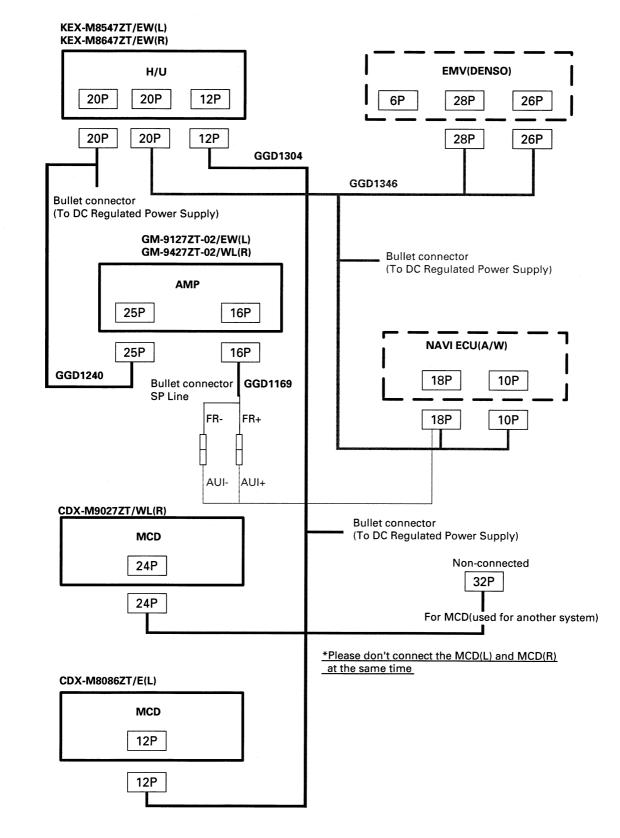
Ε

6.1 JIG CONNECTION DIAGRAM

Connection Diagram TOYOTA EMV SYSTEM MODEL

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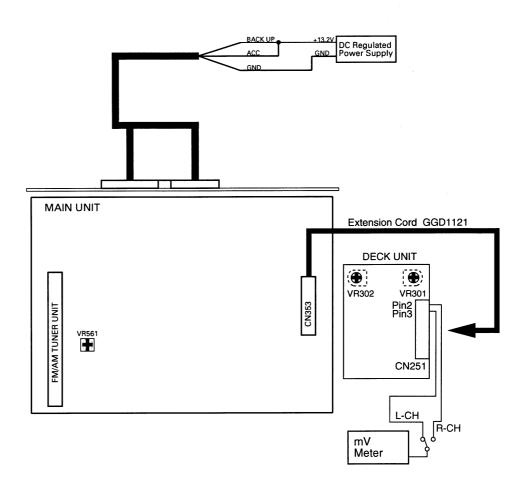
F

KEX-M8547ZT/EW

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6.2 CASSETTE AND AUDIO ADJUSTMENT

Connection Diagram



DOLBY B NR ADJUSTMENT

No.	Test Tape	Adjustment Point	Adjustment Method					
			(Switch Position)					
1	NCT-150	VR301(Lch), VR302(Rch)	mV Meter : - 8.24dBm ±1dB					
	(400Hz, 200nwb/m)		(DOLBY NR Switch : OFF)					

KEX-M8547ZT/EW

39

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В

С

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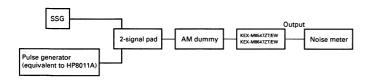
Е

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AM NOISE CANCELER ADJUSTMENT

Connection:



Setting of the pulse generator. (setting of superimposed pulse)

Pulse width :50µsec

4Vp-p(EMF)
Pulse intervals :5msec

Pulse voltage :4Vp-p

Adjustment:

В

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1. Setting of SSG

Receiving frequency : 999 kHz
Percentage modulation : 30%
Modulation frequency : 400 Hz

Antenna input

: 74 dBμV (EMF)

- 2. Tune a RADIO to the "999kHz" with 1 condition.
- 3. .Mix signal with the above-mentioned pulse and SSG moduration OFF.
- 4. Variable resistance adjust noise level to a minimum.

Adjustment point: VR561

F

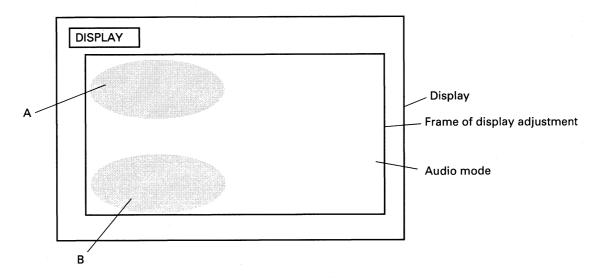
KEX-M8547ZT/EW

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В

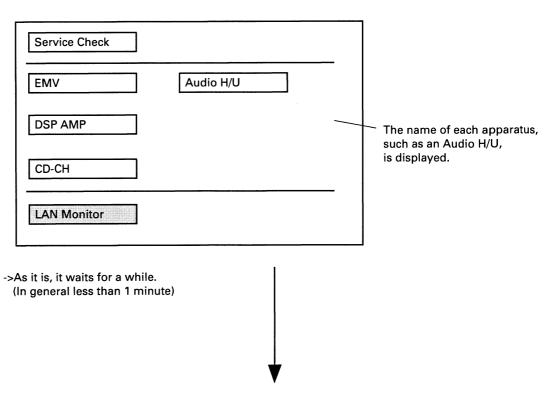
С

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- 1. Press [AUDIO] key of EMV.
- 2. Press [DISPLAY] key of EMV .
- 3. The position of A and B is order of pushed 6 times in A,B,A,B,A and B. ->Service Check screen is displayed.

2.Service Check



KEX-M854/ZI/EW

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41

Service Check **EMV** OK CHEK Audio H/U When displayed as [CHEK] or [EXCH], details will be displayed ок if the portion is touched. DSP AMP NCON CD-CH В **LAN Monitor** It changes on the screen which displays the abnormalities on communication. The diagnostic result of each model is displayed. Results are [OK], [NCON],[CHEK], and [EXCH]. OK: No error code NCON: EMV has judged it as the thing without connection. (Disconnection being possible if there is actually connection) CHEK: An error code indicating that diagnosis is judged to be necessary is entered. EXCH: An error code indicating that exchange is judged to be necessary is entered. Unit Check Mode Audio H/U Current Memory Occurred Date/Time D 61-40 The detected abnormalities (Diagnosis code) are displayed. At this example, it is 40 (abnormalities in mechanism or media) of 61 (= cassette).

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3. How to exit from the diagnostic test mode

ACC-OFF

42

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KEX-M8547ZT/EW

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3

CODEC Communication Error

12 13

PLL Unlock

32H 34H

SSDEC Communication Error SSDEC No Response Error

NVM Error CAP Error

5 5

ANTENNA No Contact ANTENNA Short

Α

В

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Antenna power supply abnormal
Radio wave beacon - no antenna connected
Optical beacon - no antenna connected
No FM antenna connected GPS antenna abnormal GPS antenna power supply abnormal Map disc reading abnormal Voice-control activation SW abnormal CarNet communication not connected Multi-CD-CH (optical cable) abnormal Back light abnormal (with excessive currer Panel open/close mechanical operation abnorm Back light abnormal (with no current) HT64 communication not connected HT64 communication abnormal Multi-CD-CH (CarNet) not connected CarNet periodical communication abno Player abnormal High temperature abnormal HIT64 BRO disconnection CarNet communication abnormal SPD signal abnormal HIT64 BRQ short-circuit Multi-CD-CH (CarNet) abnormal Radio wave beacon abnormal Optical beacon abnormal SS section abnormal
No Time updating
TCXO abnormal Front seat monitor abnormal Gyroscope abnormal GPS receiver abnormal FM receiver abnormal Video circuit abnormal HIT64 disconnection Panel SW abnormal PLL lock abnormal Touch SW failure Heater abnormal

40

85H

02H

4 8 2

5AH 84H 5BH 83H 82H 9AH

-12

6

Logical address name FM multiplex (VICS), radio wave beacon, beacon, optical beacon, FM nultiplex (data), Navigation SW, Audio SW, SW shifting, Command SW nultiplex tuner nformation display/front communi Extended nonitors control XM tuner Voice -cation /GPS VNR screen error
No anienna connected
Anienna power supply abnormal
SEL +B current - small
SEL +B current - large Antenna power supply abnormal
Tuner power supply abnormal
AM tuner abnormal
FM tuner abnormal
SW tuner abnormal Belt broken Mechanical failure or cassette broken CD Mech abnormal
CD loading/unloading abnormal
CD lead-in abnormal
No disc loaded Scratches or non-recorded side EJECT abnormal Scratches or non-recorded side EJECT failure TAPE jamming MD high temperature detected Mech power supply abnormal CD high temperature detected MD-ROM abnormal TV - no reception Tray IN/OUT abnormal TV divergence shifting error MD lead-in abnormal TV tuner PLL unlocked FRONTEND abnormal MD IN/OUT abnormal CD-ROM abnormal Disc unreadable Excessive current detected Excessive current detected AM tuner PLL unlocked
FM tuner PLL unlocked
No antenna connected Diagnosis details ray IN/OUT abnormal Elevator abnormal Elevator abnormal Clamp abnormal No disc loaded Incorrect disc Incorrect disc Dirty head Diagnosis code table | Logical address | Logical ad 43H 62H 63H 64H 65H

441 442 50 50 51 51 52 55 55

Logical address nar	Radio								TV tuner									Cassette	tape					8	9	HO-OS													MD	MD-CH		
Diagnosis details	No diagnosis	Abnormal reset	Abnormal +B	Ç	Abnormal MUTE	Fuse broken	Microcomputer - abnormal	ROM - abnormal		ı oo	F-ROM - abnormal	V-RAM - abnormal	Gate allay abnormal	Paint controller abnormal	Backup memory abnormal	Voice output controller abnormal	Internal power supply abnormal	Sync signal abnormal (input)	Sync signal abnormal (output)	ECU not connected	Transmission abnormal	Connecting confirmation: abnormal	Connecting confirmation: no response	Registered device data missing	(History of registered devices)	Master unavailable	Connecting confirmation: abnormal	Connecting confirmation: no response	Last mode abnormal	respons	Mode status abnormal	Transmission fault	Master reset		Master abnormal	Registration completion	acknowledgement error	Voice processor ON abnormal	ON/OFF command or parameter abnormal	Registration command transmission	Multiple frames intermit.	Diagnosis - no response
Diagnosis code	00	10	6	-11	12	3	8	21	22	23	24	25	78	- 27	78	29	2A	8	31	8	- 10	_ D2	_ D4	_ <u>D</u> 2		- 20	-10	8	2	Ā	8	2	8	8	Ъ	E0		ш	E	ш	ш	ᄩ
Logical	01H																																									
Logical address name	Communi	-cation	control																																							

KEX-M8547ZT/EW

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Diagnosis details

Logical address 58H 80H

PLL unlocked

CDEC communication error

SSDEC communication error

SSDEC no response

NVM error

CAP error

No antenna sconnected

Antenna short-circuited

Disc unreadable

EVD abnormal

ELECT abnormal

Scratches or non-eccoded side

DVD high temperature detected

Excessive current detected

Tray IN/OUT abnormal Diagnosis details Diagnosis code table 45H DVD-CH

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7.1.1 DISASSEMBLY

- Removing the Upper Case (not shown)
- 1. Remove the Case.

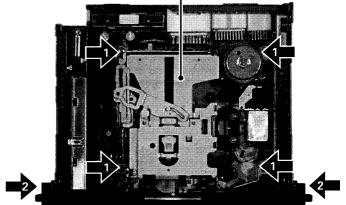
Removing the Cassette Mechanism Module (Fig.1)

Remove the four screws and then remove the Cassette Mechanism Module.

● Removing the Grille Assy (Fig.1)



Remove the two screws and then remove the Grille Assy.



Cassette Mechanism Module

Fig.1 Grille Assy

Removing the Front Frame (Fig.2)



Remove the three screws and then remove the Front Frame.

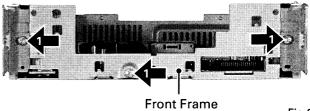


Fig.2

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● Removing the Main Unit (Fig.3)



Straighten the tabs at two locations indicated.



Remove the two screws.



Remove the two screws and then remove the Main Unit.

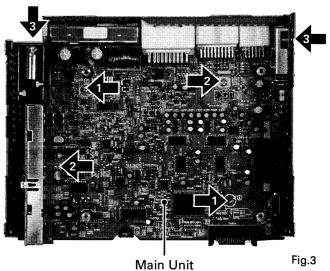
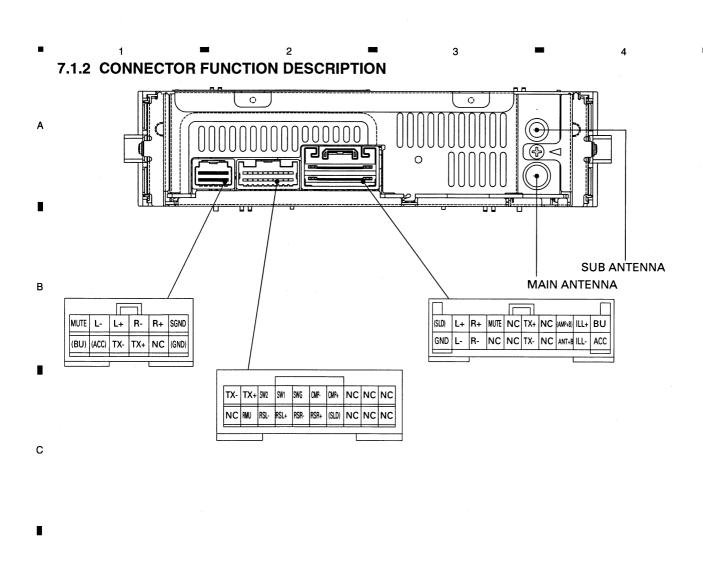


Fig.3



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46 KEX-M8547ZT/EW 3 4

7 8 5 6 7.1.3 TROUBLE-SHOOTING Is B-UP ON? Check +B NO BSENS terminal Pin 75(IC601) (Check a power supply.) YES Is ACC ON? Turn on ACC NO (Check a power supply.) **ASENS** terminal Pin 73(IC601) YES Check illumination circuit? Does illumination come on? ISENS terminal Pin 2(IC601) YES Is PWR-ON enabled? Check PWRSW terminal NO POWER Pin 69(IC601) YES Is voice output? Is amplifier connected Check the following terminals Is any sound of FM, AM and NO correctly? SYSPW Pin 1(IC601) TAPE (internal sources) output? SYSMUTE2 Pin 5(IC601) SYSMUTE1 Pin 6(IC601) NO YES YES Connect amp correctly Are FM and AM Check the following terminals NO FMPW Pin 43(IC601) AMPW Pin 44(IC601) sounds output? YES Recheck hardware Is TAPE sound output? YES Check the following terminals STBY Pin 90(IC601) NO IsTAPE mechanical unit operated normally? CM Pin 89(IC601) SC1 Pin 88(IC601) SC2 Pin 87(IC601) YES Check the following terminals SYSPWR Pin1(IC601) Is VOL adjustment Check encoder input. enabled? ENC1- Pin 65(IC601) ENC1+ Pin 63(IC601) YES Normal operation

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KEX-M8547ZT/EW

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7.2 IC

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● Pin Functions(PD5945A)

Pin No.	Pin Name	I/O	Function and Operation
1	SYSPWR	0	Power supply control output
2	ISENS	i	Illumination sense input
3	KISYU	i	Model input
4	LAMP	ö	Lamp power supply control(D/A) output
5	SYSMUTE2	ō	System mute output for RSE
6	SYSMUTE	Ö	System mute output
7	RSEMUTE	ō	RSE mute output
8	BYTE	i	Vss(Single chip) input
9	CNVSS	i	CNVSS input
10	LANMUTE	Ö	AVC-LAN mute output
11	SWVDD	ō	SWVDD output
12	RESET	i	Reset input
13	XOUT	0	Main clock output
14	VSS		GND input
15	XIN		Main clock input
16	VCC		Power supply(2.7-5.5V) input
17	NMI	i	VDD input
18	RCK	i	RDS data clock input
19	LDET	i	PLL lock signal input
20	NC	Ō	Not used
21	RX2	i	(BUS)
22	IPPW	0	BUS power supply output
23	SEL2a	0	Selector switch a output for RSE
24	NC	0	Not used
25	SEL2b	0	Selector switch b output for RSE
26	SHIMUKE		Model input(L, R)
27	SEL1a	0	Selector switch a output for AMP
28	SEL1b	0	Selector switch b output for AMP
29	RX1	ı	(BUS)
30	TX	0	(BUS)
31	PDO	0	PLL data output
32	PDI		PLL data input
33	PCK	0	PLL data clock output
34	NC	0	Not used
35	SPDO	0	Sub tuner data output
36	SPDI		Sub tuner data input
37	SPCK	0	Sub tuner data clock output
38	SCE	0	Sub tuner chip enable output
39	SCPON	0	Sub tuner power supply control output
40	SSD		Sub tuner station ON signal input
41, 42	NC	0	Not used
43	FMPW	0	FM power output
44	AMPW	0	AM power output
45	RDSMUTE	0	RDS mute output
46	DRST	0	RDS decoder IC reset output
47	CURRQ	0	Current request output
48	RDS57K		RDS 57kHz ON/OFF input
49	RDT		RDS data input
50	RDSLK		RDS station ON signal input
51	LOCL	0	Local L output
52, 53	PCE1, 2	0	PLL chip enable 1, 2 output
54	SDBW		SD bandwidth ON signal input
			AND CALL : 1: .
55	NL2	l	NL2 ON signal input
55 56 57	FMSD ST	1	FM ON signal input Stereo input

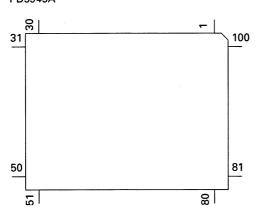
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Pin No.	Pin Name	I/O	Function and Operation
58	ROMDT	0	ROM correction data output
59	ROMCLK	0	ROM correction clock output
60	ROMCS	0	ROM correction chip select output
61	TEST	1	Test mode input
62	VCC	1	Power supply(2.7-5.5V) input
63	ENC1+	ı	VOL encoder input +
64	VSS	ı	GND input
65	ENC1-	1	VOL encoder input -
66-68	KST0-2	0	Key strobe output 0-2
69	POWER	ı	POWER key input
70-72	KDT0-2	ı	Key data input 0-2
73	ASENS	ı	ACC sense input
74	CSEJ	ı	Tape eject sense input
75	BSENS	1	Back up sense input
76	KDT3	1	Key data input 3
77	ENC2+		AUD encoder input +
78	ENC2-	1	AUD encoder input -
79	MS	ı	Music sense input
80	F/R	0	Head forward/reverse select output
81	PLAY	0	MS gain select output
82	MTL	l	METAL input
83	NR	0	Dolby B NR ON/OFF output
84	CSLOAD	.1	Tape loading detect input
85	POS	I	Position sense input
86	ES	1	Tape end detect input
87, 88	SC2, 1	0	Sub motor control output 2, 1
89	CM	0	Capstan control output
90	STBY	0	Tape stand-by output
91	NL1		Noise level input
92	SSL		Sub tuner signal level input
93	MSL		Main tuner signal level input
94	ILL-		Illumination - input
95	STSW2		Stearing SW 2 input
96	AVSS		A/D converter GND input
97	STSW1		Stearing SW 1 input
98	VREF		A/D converter reference voltage input
99	AVCC	1	A/D converter power supply input
100	ANTB	0	Antenna power supply control output

* PD5945A



IC's marked by * are MOS type.

Be careful in handling them because they are very liable to be damaged by electrostatic induction.

KEX-M8547ZT/EW

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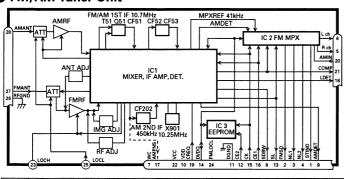
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No.	Symbol	I/O	Explain	
1	STIND	Ö	stereo	"Low" when the FM stereo signals are received.
			indicator	To be pulled up to the "VDD" at $47k\Omega$.
2	FMSD	0	FM station	"High" when signals are received. To be pulled up to the "VDD" at $47k\Omega$
-			detector	Meanwhile, $10k\Omega$ should be used when taking diver FIX trigger from here
				and "High: 0.9VDD or more" and "Low: 250mV or less".
				(Should satisfy the diver IC specifications)
3	NL1	0	noise level-1	"High" when noise is received. Output for the RDS. GND at $47k\Omega//1,800pF$.
4	NL2	ō	noise level-2	"High" when noise is received. Output for the RDS. GND at $36k\Omega//330pF$.
5	Rch	ō	R channel	FM stereo "R-ch" signal output or AM audio output.
			output	Add the specified de-emphasis constant.
6	Lch	0	L channel	FM stereo "L-ch" signal output or AM audio output.
			output	Add the specified de-emphasis constant.
7	wc		write control	EEPROM write control. Writing permissible at "Low". Normally open.
	SDBW	О	SD bandwidth	SD bandwidth signal output. For detection of detuning data for the RDS.
9	AMDET	0	AM detector	AM detector output. r out $< 100\Omega$
"	ANIDE		output	An acted output. 1 out < 10052
10	VDD		power	Power supply pin for the digital section.
.	100		supply	DC 5V +/- 0.25V. Be careful about overlapping noise in the logic section.
11	DGND		digital ground	Grounding for the digital section.
12	CE2		chip enable-2	EEPROM chip enable. Active a "Low"
'2	CLZ	'	Chip enable-2	To be pulled up to the "VDD" at 47kΩ
13	SL	1/0	signal level	Received FM/AM signal level (strength) output.
13	J.	"	Signal level	Connect the specified load resistor and capacitor (10k Ω + 39k Ω //4,700pF)
14	DI/DO	1/0	data input/	Data input/Data output
' '	0.,00	"	data output	To be pulled up to the "VDD" at 47kΩ
15	СК		clock	Clock input To be pulled up to the "VDD" at 47kΩ
	CE1		chip enable-1	AF-RF chip enable. Active at "High"To be grounded at $47k\Omega$
	AMPNS	o	AM PNS IF signal	IF signal output for AM PNS circuit.
	LDET	o	lock detector	Active at "Low". To be pulled up to the "VDD" at $47k\Omega$
	CREQ	Ĭ	current request	Active at "Low". To be grounded at $47k\Omega$
	AMINI		AM audio input	The frequency response and the level are set by connecting an external CR
-	,		/ IIII dadio ilipat	network with terminal AMIN as terminal AMDET. r in = $50k\Omega$
21	COMP	0	composite signal	FM composite signal output. r out < 100Ω
	VCC		power supply	Analog section power supply pin.DC 8.4V +/- 0.3V
	LOCH	1	local high	FM local high pin. When seeking local high, apply 5V together with "LOCL".
	FMLOCL	i	FM local low	FM local low pin. When seeking local low, apply 5V to the base of the NPN
- '	I IIILOOL	•	1111100011011	transistor with which the specified resistor is being connected to the emitter.
				Keep it open in case of ordinary marketed models.
25	LOCL		local low	FM/AM local low pin. When seeking local low, apply 5V to the base of the
-0	LOCL	•	local low	NPN transistor. Since this pin is exclusive for AM when the FMLOCL is in use,
				do not drive it under FM.
26	RFGND		RF ground	Grounding for the antenna section.
	FMANT			FM antenna input. 75Ω . Surge absorber (DSP-201M-S00B) is necessary.
28	AMANT	<u> </u>	AM antenna input	
20	CINICINI	'	Vivi attretitia itibar	Connect to the antenna through an L (LAU type) of 4.7µH.To cope with the
				power transmission line hums, insert a series circuit consisting of an L
L				(a coil of about 100mH) + R (a resistor of 470 Ω to 2.2k Ω) between the GND.

KEX-M8547ZT/EW

50

7.3 EXPLANATION 7.3.1 SYSTEM BLOCK DIAGRAM

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+B, ACC AVC-LAN KEX-M8547ZT/EW KEX-M8647ZT/EW +B, ACC **SPEAKER** L/R **EMV AMPLIFIER** 1DIN AVC-LAN **HEAD UNIT** OTHER MAKERS PIONEER AVC-LAN CD-CH **PIONEER**

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KEX-M8547Z17EW

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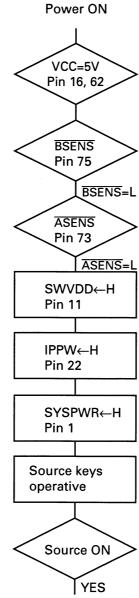
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Completes power-on operation. (After that, proceed to each source operation)

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KEX-M8547ZT/EW

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Before shipping out the product, be sure to clean the following portions by using the prescribed cleaning tools:

Portions to be cleaned	Cleaning tools
Cassette heads Pinch rollers Capstans	Cleaning paper : GED-008

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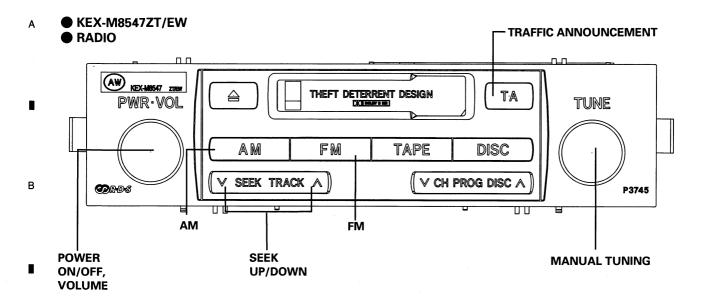
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8. OPERATIONS

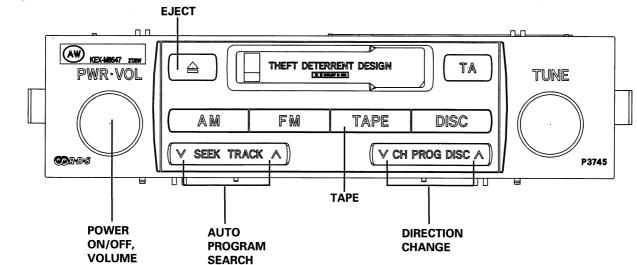


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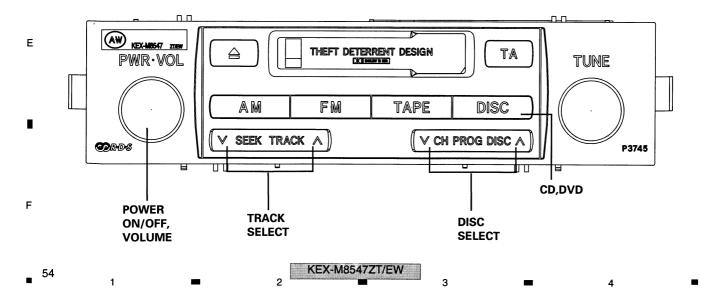
TAPE

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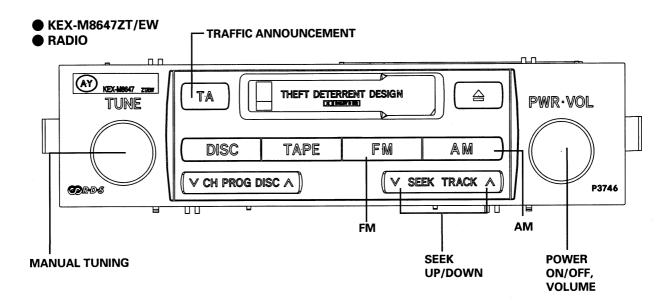
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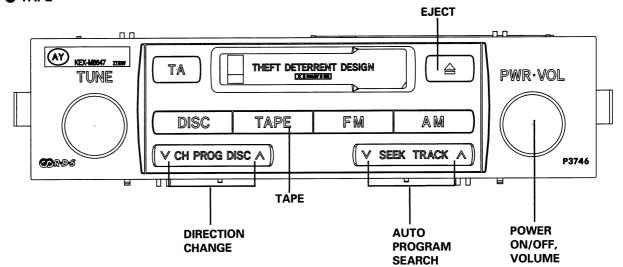
CD, DVD





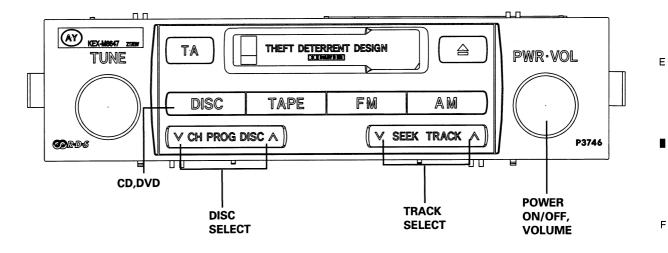


● TAPE



OCD, DVD

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Jigs List

Name	Jig No.	Remarks
Extension cord	GGD1169	Adjustment
Extension cord	GGD1240	Adjustment
Extension cord	GGD1304	Adjustment
Extension cord	GGD1346	Adjustment
Extension cord	GGD1121	Cassette mechanism module adjustment
Test tape	NCT-150	Cassette mechanism module adjustment
Cleaning paper	GED-008	Cleaning cassette heads, pinch rollers and capstans

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KEX-M8547ZT/EW

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